CONTRACTING NEWS

Of Special Interest to Engineers, Contractors, Builders and Manufacturers of Engineering and Building Supplies

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Proposals

For Proposals Advertised See Pages 47 to 55 Inclusive

WATERWORKS

Bids Close. — See Eng. News-Record.

May 14. Milton, Ia. ....May 3
May 14. Ogdensburg, N. J. ....May 3
Adv. Apr. 26 to May 10.
May 15. Beloit, Kan. ....May 10
May 22. New York, N. Y. ....May 10
May 25. Mt. Rainier, Md. ....May 3
Adv. May 3 and 10.
June 5. Auburn, N. Y. ....May 10
Adv. May 3 and 10.

SEWERS

May 14. Lewisville, O. ....Apr. 26
May 16. Brooklyn, N. Y. ....May 3
May 16. Long Island City, N. Y. ....May 10
May 17. Stanley, N. D. ....May 10
May 19. Whitehall, Mont. ....May 10
May 22. Oklahoma, Okla. ....May 10
May 25. Mt. Rainier, Md. ....May 3
Adv. May 3 and 10.
May 25. Lakewood, O. ....Apr. 19
Adv. Apr. 19.
May 25. Valparaiso, Ind. ....May 10
May 28. West Burlington, Ia. ....May 10
May 29. Leland, Miss. ....May 10
Adv. May 3 and 10.
June 2. Burlington, Wis. ....May 10
June 5. Newark, N. J. ....May 10

STRUCTURAL STEEL WORK

May 15. Eureka, Cal. ....Apr. 26
May 15. Philadelphia, Pa. ....May 10
May 15. Toledo, O. ....May 10
May 15. Chestertown, Md. ....May 10
May 16. New York, N. Y. ....May 10
May 16. New Castle, Pa. ....May 3
Adv. May 3.
May 17. St. Louis, Mo. ....May 10
May 18. Kansas City, Mo. ....May 10
May 20. Des Moines, Ia. ....May 3
May 21. Ashland, O. ....May 10
May 22. Camden, S. C. ....May 10
Adv. May 10.
May 28. Clifton, Ariz. ....May 3
Adv. May 3 and May 10.

REINFORCED CONCRETE

May 12. Richmond, Ind. ....Apr. 26
Adv. Apr. 19 to May 3.
May 12. Louisa, Va. ....May 3
May 14. California ....May 3
May 15. Hazard, Ky. ....Apr. 12
May 15. Listowell, Ont. ....May 3
May 16. Paterson, N. J. ....May 3
Adv. May 3 and May 10.
May 21. San Jose, Cal. ....May 3
May 22. Philadelphia. Pa. ....May 10
Adv. May 10.

STREETS AND ROADS

May 12. Indiana ....Apr. 26
May 12. Quincy, Ill. ....May 3
May 12. New London, Conn. ....May 10
May 14. Olean, N. Y. ....Apr. 26
Adv. Apr. 26.
May 14. Indiana ....Apr. 26
May 14. Oil City, Pa. ....Apr. 19
Adv. Apr. 19 to May 3.
May 14. Eutaw, Ala. ....Apr. 26
Adv. Apr. 26.
May 14. Bangor, Me. ....Apr. 26
May 14. Watervliet, N. Y. ....Apr. 26
Adv. Apr. 26 to May 10.
May 14. Olympia, Wash. ....May 3
May 14. Kalamazoo, Mich. ....May 3
Adv. May 3.
May 14. Palisade Park, N. J. ....May 3
May 14. Sharpsburg, Pa. ....May 10
May 14. Narberth, Pa. ....May 10
May 14. Montgomery, Ala. ....May 10
May 15. Michigan City, Ind. ....May 3
May 15. Baltimore, Md. ....May 3
Adv. May 3 and May 10.
May 15. Berwyn, Ill. ....May 10
May 15. Menasha, Wis. ....May 10
May 15. Modesto, Cal. ....May 10
May 15. Scranton, Pa. ....May 10
Adv. May 3 and May 10.
May 15. Buffalo, Minn. ....May 10
May 15. Selma, Ala. ....May 10
May 15. Wooster, O. ....May 10
May 15. Willshire, O. ....May 10
May 15. Chestertown, Md ....May 10
May 15. Ottawa, Ill. ....May 10
May 15. Elkhart, Ind. ....May 10
May 15. Tonawanda, Pa. ....May 10
May 15. Allegany, Md. ....May 10
May 16. Eldon, Ia. ....May 3
May 16. Paterson, N. J. ....May 3
May 16. Foster, R. I. ....May 3
Adv. May 3 and May 10.
May 16. Shreveport, La. ....May 10
May 16. Providence, R. I. ....May 10
May 16. Brooklyn, N. Y. ....May 10
May 16. Long Island City, N. Y. ....May 10
May 16. Rexburg, Idaho ....May 10
May 16. Illinois ....May 10
May 16. Louisville, Ky. ....May 10
May 16. Shreveport, La. ....May 10
May 17. Pocatello, Idaho ....May 3
May 17. Jersey City, N. J. ....May 3
May 17. Newark, N. J. ....May 10
May 18. Summer, Miss. ....May 3
Adv. May 3 and May 10.
May 18. Darlington, S. C. ....May 10
May 18. Charleston, Miss. ....May 10
May 21. Montesano, Wash. ....May 10
May 21. Orrville, O. ....May 10
May 21. Edgar, Ill. ....May 10
May 22. Newark, O. ....Apr. 26
May 22. Kinder, La. ....May 10
May 23. Trenton, N. J. ....May 10
May 23. Jonesboro, Ark. ....May 10
May 24. Wellsburg, W. Va. ....May 3
May 24. Atlanta, Ga. ....May 10
May 25. Palatka, Fla. ....May 10
May 26. Alexandria, La. ....May 3
May 26. Bartow, Fla. ....May 10
Adv. May 3 and 10.
May 28. Austin, Minn. ....May 10
May 28. Batavia, Cal. ....May 10
May 29. Port Clinton, O. ....May 3
May 29. Lebanon, O. ....May 10
May 30. Lenoir, N. C. ....Apr. 26
Adv. Apr. 26.
May 31. Milwaukee, Wis. ....May 10
May 31. Brainerd, Minn. ....May 10
June 4. Mishawaka, Ind. ....May 10
June 8. Crowley, La. ....May 10

EXCAVATION AND DREDGING

May 14. Minneapolis, Minn. ....May 10
May 15. Trenton, N. J. ....Apr. 19
Adv. April 19 to May 10.
May 15. Cape Girardeau, Mo. ....May 3
May 15. Muscatine, Ia. ....May 3
May 15. Oklahoma, Okla. ....May 10
May 15. Fairmont, Minn. ....May 10
May 16. Vale, Ore. ....Apr. 26
May 16. Duluth, Minn. ....May 10
May 16. Brooklyn, N. Y. ....May 10
May 17. Ontario, Ore. ....May 10
May 18. Petersburg, Ind. ....May 10
May 18. Schuyler, Neb. ....May 10
May 18. Elk River, Minn. ....May 10
May 22. Clear Lake, S. D. ....May 10
May 24. Ft. Dodge, Ia. ....May 10
May 25. Benson, Minn. ....May 10
May 31. Schuyler, Neb. ....Apr. 26
May 29. Albany, N. Y. ....May 3
Adv. May 3 and May 10.

BUILDINGS

May 14 Asbury Park, N. J. ....Apr. 26
May 14. Paterson, N. J. ....May 3
May 15. Fulton, Mo. ....Apr. 12
July 15. Kansas City, Mo. ....Apr. 19
May 15. Buffalo, N. Y. ....May 3
May 15. Trenton, Ont. ....May 10
May 16. Amsterdam, N. Y. ....May 3
May 16. Brooklyn, N. Y. ....May 10
May 17 Hoxie, Kan. ....May 10
May 19. Hartford, Conn. ....May 3
May 21. Newark, N. J. ....May 3
May 22. Lake Andes, S. D. ....May 3
May 22. Napier, Ia. ....May 10
May 24. Tulsa, Okla. ....May 3
May 26. Columbus, O. ....Apr. 26
May 30. Urbana, Ill. ....Apr. 26
Adv. Apr. 26.
June 2. Redfield, S. D. ....May 10

FEDERAL GOVERNMENT WORK

May 14. Baltimore, Md. ....Apr. 26
Adv. Apr. 12 to May 10.
May 14. Key West, Fla. ....Apr. 26
Adv. Apr. 26.
May 14. Vallejo, Cal. ....Apr. 26
May 14. New Orleans, La. ....Apr. 26
May 14 Washington, D. C. ....May 10
May 15. Bolinas, Cal. ....Apr. 5
Adv. Apr. 5.
May 16. Fitzgerald, Ga. ....Apr. 19
Adv. Apr. 12.
May 16. Athens, Tenn. ....Apr. 19
Adv. Apr. 12.
May 17. Sault Ste. Marie, Mich. ....Apr. 26
Adv. April 19 to May 10.
May 17. Cedar Falls, Ia. ....Apr. 12
May 17. Prescott, Ark. ....May 10
May 17. Washington, D. C. ....May 10
Adv. May 3 and 10.
May 17. Cedar Falls, Ia. ....May 10
May 18. Santa Fe, N. M. ....Apr. 26
May 18. El Paso, Tex. ....Apr. 19
May 19. Washington, D. C. ....Apr. 26
Adv. Apr. 26.
May 21. Vallejo, Cal. ....Apr. 26
May 21. Cleveland, O. ....Apr. 26
Adv. April 19 to May 10.
May 21. Wilmington, Del. ....Apr. 26
Adv. Apr. 26 to May 10.
May 21. Kansas City, Mo. ....Apr. 26
Adv. Apr. 26 to May 10.
May 21 Philadelphia, Pa. ....May 10
May 21 Norfolk, Va. ....May 10
May 21 Boston, Mass. ....May 10
May 21 Pensacola, Fla. ....May 10
May 21 Portsmouth, N. H. ....May 10
May 21. Washington, D. C. ....May 10
May 21. Norfolk, Va. ....May 10
May 23. Garfield, N. M. ....Apr. 26
Adv. Apr. 26.
May 23. Montgomery, Ala. ....Apr. 26
Adv. May 3 and May 10.
May 23. Denver, Colo. ....May 10
May 24. Indiana, Pa. ....Apr. 26
May 25. Washington, C. H. O. ....Apr. 26
May 28. Jasper, Ala. ....Apr. 26
Adv. Apr. 19 and 26.
May 28 Bremerton, Wash. ....May 10
May 28 Washington, D. C. ....May 10
May 29. Southbridge, Mass. ....Apr. 26
Adv. Apr. 19 and 26.
May 29. Berwick, Pa. ....Apr. 26
Adv. Apr. 26 and May 3.
May 29. Charlotte, N. Y. ....May 10
Adv. May 10.
May 29. New London, Conn. ....May 10
Adv. May 10.
May 30. Ft. Michie, N. Y. ....Apr. 26
Adv. Apr. 26 and May 3.
May 31. Washington, D. C. ....May 10
Adv. May 10.
June 1. New Albany, Ind. ....May 10
June 2. Ft. Greble, R. I. ....May 10
June 4. Sanford, Fla. ....May 10
June 5. Olney, Ill. ....May 3
June 6. Orange, Tex. ....May 3
June 7. Marion, Ill. ....May 3
June 8. Ft. Laramie, Wyo. ....May 10
June 9. Montgomery, Ala. ....May 10
Adv. May 10.

MISCELLANEOUS

May 16. Levee—New Orleans, La. ....May 10
May 17. Turbine & Generator. Rockport, Ill. ....Apr. 26
June 1. Wharf—Richmond, Va. ....Apr. 19
May 14. Riprap—Harrisburg, Pa. ....May 10
May 16. Station Finish, Brooklyn, N. Y. ....May 3
May 18. Heating Work, Hudson, N. Y. ....May 3
Adv. May and May 10.
May 18. Heating Work, Newark, N. Y. ....May 3
Adv. May 3 and 10.
May 18. Retaining Wall, Cincinnati, O. ....May 3
May 21. Pumping Plant—Louisiana, Mo. ....May 10
Adv. May 3 and 10.
May 21. Pipe Line—Midvale, Utah ....May 10
May 28. Subway—Davis, Cal. ....May 10

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

WATER-WORKS

Proposed Work

R. I., Woonsocket—City Council appropriated $30,000 for new pump at pumping station. A. Gauhin, chn. water comrs.

N. Y., Olean—Bd. Water Comrs. plans new pumping station on north side of river near South Union St. About $10,000. W. Sheahan, supt.

N. J., Riverdale—Town plans to install water mains. About $18,000. Address H. V. Mickens.

Pa., Loretto—State Comr. approved plans water and sewerage systems.

Va., Farmville—City voted $50,000 bonds to improve water-works, electric-light plant and streets. Noted Apr. 5.

Water-Works (Continued)

La., Bossier—City soon lets contract for water system. About $30,000. Noted May 3.

O., Akron—City election June 6 to vote on $1,000,000 bonds to increase capacity of purification plans and distribution system. Noted May 3.

O., Chardon—City plans election to vote on $58,000 bonds to install water system.

O., Marietta—See "Reinforced Concrete."

O., Ravenna—City will sell $35,000 bonds on May 21 to purchase land, easements and rights-of-way to improve water system by constructing dam and water treatment plant, laying pipe and all necessary appurtenances S. B. Horsfield, dir. pub. ser.

O., Toledo—City soon lets contract for Broadway pumping station. Cost, $50,000 to $60,000. H. McClure, city engr.

O., Wooster—City having plans prepared by W. J. Sherman Eng. Co., engrs., 613 Nasby Bldg., Toledo, for new water system.

Ind., Indianapolis—Indianapolis Water Co. plans to lay water mains on portions 10 streets. B. J. T. Jeup city engr.

Mich., Midland—City plans election to vote on $100,000 bonds for filtration plant, sewer and lighting extensions and paving boulevard.

Ill., Albion—City plans to vote on $19,500 bonds for water system.

Ill., Farmington—City voted $20,000 bonds to improve water system. Noted Apr. 12.

Ill., Casey—See "Sewers."

Ia., Marena—City voted $17,000 bonds to install water system.

Minn., Duluth—(Official)—City receiving bids in June 20,000,000-gal. centrifugal pump. E. W. Kelly, engr.

Minn., International Falls—City soon receives bids laying 3000 ft. water mains. D. Rose, city engr.

Minn., Remer—City voted $10,000 bonds to install water system. W. C. Buck, 4821 Fremont Ave., S., Minneapolis, engr.

Kan., Ft. Scott—City voted $18,000 bonds to improve water system.

Kan., Garden City—City preparing plans for pumping plant and extending water mains.

Kan., Geuda Springs—City postponed letting of contract for water-works and sewerage system on account of delay in delivery of materials. Bids in fall. Benham Engr. Co., Colcord Bldg., Oklahoma, engrs. Noted Apr. 19.

Neb., Stanford—City defeated bonds to install water system. E. B. Murray, 920 Walnut St., Kansas City, engr.

Mont., Livingston—City will sell $225,000 bonds May 28 to install water system. E. C. Riss, city engr. Noted May 3.

Mont., Wolf Point—City sold $17,000 bonds to improve water-works.

Tex., Carthage—City plans to install water system.

Okla., Billings—City election May 7 to vote on $10,000 bonds for water-works extension and $10,000 for electric-light improvements. Address L. Ponton.

Okla., Mangum—City plans water-purification plant. Benham Engr. Co., engrs., Colcord Bldg., Oklahoma, preparing plans.

Okla., Oklahoma—City rejected bids for water-works improvements. New bids soon. G. V. McClure, engr.

Okla., Red Fork—City plans to install water system.

Colo., Colorado Springs—City issued $150,000 bonds to improve water system. C. Kesson, mayor.

Idaho, Elk River—See "Railways."

Utah, Provo—See "Industrial Works."

Ore., John Day—City voted $10,000 bonds to install water system.

N. B., St. John—See "Excavation and Dredging."

Que., Dorval—Town plans filtration plant. A. Decary, clk. Dupont, Roy & Baudouin, 225 St. James St., Montreal, engrs.

Que., Montreal South—City plans to spend $180,000 to install water and sewerage systems, plans include overhead steel tank, 100,000-gal. capacity, centrifugal pumps, 800 gal. per min. capacity, 350,000-gal. filter plant, sterilizing outfit, 125-hp. gasoline motor and vitr. tile sewers in 17 streets to connect with proposed trunk sewer through Greenfield Park, St. Lambert and Longueuil to empty into St. Lawrence River.

Ont., Hamilton—City plans improvements at Beach pumping plant, involving additional transformer capacity, about $20,000; also steam turbine centrifugal pump, 10,000,000 gal. capacity, and additional electric unit, about $107,000. E. R. Gray, city engr.

Man., Winnipeg—Greater Winnipeg Water Dist., 501 Tribune Bldg., rejected bids for furnishing c.-i. pipe, specials and gate valves. R. D. Waugh, chn. of comrs.

Alta., Edmonton—See "Structural Steel."

Bids Desired

N. Y., Auburn—(Official)—Until June 5 by Bd. Water Comrs., sand filtration plant (readvertisement) advertised in this issue. Noted Apr. 26.

N. Y., New York—Until May 22 by C. Strauss, pres., bd. water supply, Municipal Bldg., furnishing and delivering cement for use at Woodstock and Glenford dikes of Ashokan reservoir, to be delivered to West Hurley station of Ulster & Delaware R.R.

N. Y., New York—Until May 22 by C. Strauss, pres. bd. water-supply, Municipal Bldg., for Contract 186, borings at Woodstock and Glenford Dikes of Ashokan reservoir, Hurley, Ulster Co.

N. J., Ogdensburg—Until May 14 by Mayor and Council for water system (exclusive of c.i. pipe and specials, valves, hydrants, pipe and fittings for house) involving 19,000-ft. c.i. pipe with necessary valves and hydrants, 1000-yd. earth excavation, 1,500-ft. trenching, including laying absorption tile drains at source of supply and 1500-ft. round agricultural drain tile in 1-ft. lengths. H. N. Blunt, Palmerton, Pa., engr.

Md., Mt. Rainier—Until May 25 by town installing new water system, including 10 mi. 4- to 8-in. c.-i. pipe, 2 motor-driven centrifugal or triplex pumps, tank and tower. About $50,000. Noted Apr. 5.

Kan., Beloit—(Official)—Until May 15 by C. R. Herrick, city clk., water system, including 200-hp. tube boiler, 2 400-gal. per min. motor driven pumps, 30-ft. head, 2 400-gal. per min. motor driven pumps, 200-ft. head, and equipment for 500,000 gal. plant. About $50,000. Black & Veatch, Interstate Bldg., Kansas City, Mo., engrs.

Okla., Oklahoma—See "Excavation and Dredging."

Prices and Contracts Awarded

(★Indicates award of contract)

★**Mass., Falmouth**—City let contract extending water mains to H. V. Lawrence, Falmouth, $10,000.

★**Mass., Fitchburg**—City let contract compensating reservoir to G. Rosse & Son, 10 Oxford St., Leominster, $14,808.

N. J., Newark—(Official)—Bd. St. & Water Comrs. received low bids raising dam of Oak Ridge Reservoir from Heyman & Goodman Co., 15 Exchange Pl., $71,422; Harrison & Craig Co., 837 Broad St., $75,539; Averill Matthews Co., 31 Clinton St., $81,169. Noted Apr. 26.

★**Pa., Ambridge**—City let contract to extend water system to R. V. Baldwin, Coraopolis, $45,000.

★**Pa., Ringtown**—See "Reinforced Concrete."

★**Ill., Gross Point**—City let contract 40,000 ft. 6- 8- and 10-in. water pipe with necessary hydrants and valves, to M. McElliott, 1408 Main St., Evanston, $70,000.

★**Ill., Kewanee**—City let contract extending water mains to Albrecht Bros., Kewanee.

★**Wis., West Allis**—State let contract water supply and sewerage systems at State Fair Park to J. M. Donahue, Stevens Point, $25,000.

★**Minn., Wadena**—(Official)—City let contract 11,000 ft. 4- to 6-in. c.-i. water main to Pastoret Constr. Co., 2 Phœnix Bldg., Duluth, $13,750.

N. D., Fargo—City received low bids installing water mains portions 6th, 7th, 8th, 9th, 15th, 15½ and 16th Sts. from C. H. Porritt, Aiken Constr. Co., Schruth & Jackson and Haggart Constr. Co.

★**Tex., Houston**—City let contract new water-works pumping station to C. S. Basham, 1310 Leeland Ave., Houston, $18,970.

★**Wash., Vancouver**—North Coast Power Co. let contract improving water system to Jacobsen & Jensen, 407 Stanton St., Portland. About $60,000.

★**Ore., Astoria**—Astoria Water Comn. let contract 20,000,000-gal. reservoir to M. P. Zindorf, Seattle, $120,534.

★**Ore., Hubbard**—City let contract water-works system to United Contr. Co., Northwest Bank Bldg., Portland, $17,000.

★**Ont., London**—Utilities Comn. let contract furnishing c.-i. pipe for water mains to Gartshore-Thomson Pipe and Foundry Co., Stuart St., Hamilton.

★**Ont., Longford Mills**—Standard Chemical Co. let contract 1500 gal. per min. duplex pump to operate against 100-lb. pressure, to Bawden Pump Co., Ltd., Toronto.

SEWERS

Proposed Work

N. Y., Gloversville—City rejected bids storm water sewers in West 11th Ave. and Main St. J. H. Hammer, city engr.

N. J., Rahway—Common Council has been requested by Attorney General to build sewage-disposal plant to handle sewage now being emptied into Rahway River. F. Marsh, city engr.

Pa., Cheltenham—(Official)—Town voted $625,000 bonds to install sewerage system and sewage-disposal plant. Albright & Melris, Land Title Bldg., Phila., engrs Noted May 3.

Pa., Eldred—A. Leets, Coudersport, making surveys for sewage-disposal plant to be installed in village.

Pa., Elizabethtown—Boro. having plans prepared by F. H. Shaw, engr., 53 North Duke St., Lancaster, for sewerage system. About $25,000. J. W. Risser, clk.

Pa., Harrisburg—City Comn. plans sewage-disposal plant. J. H. Fuertes, 140 Nassau St., New York City, engr.

Pa., Loretto—See "Water-Works."

Pa., Scranton—See "Streets and Roads."

W. Va., Martinsburg—City plans to extend and improve storm-sewer system. About $25,000. E. D. Bromley, city engr.

O., Cleveland—City plans sewers in East 125th, East 126th and East 124th St. R. Hoffman, city engr.

O., Dayton—City plans to issue $400,000 bonds for water system, including 10,000,000-gal. covered reservoir, pipe reinforcements, 10,000,000-gal. pump, wells, etc. Metcalf & Eddy, 14 Beacon St., Boston, engrs.

O., Kent—City plans to issue $10,000 bonds to complete sewerage system.

O., Lebanon—See "Streets and Roads."

O., Wilmington—City defeated $75,000 bonds to install sewerage system. New election will be held. Noted Apr. 19.

Ind., South Bend—City plans to install trunk sewer in Portage Ave. About $60,000. F. J. Anderson, city engr.

Ind., South Bend—City plans to install trunk sewers in High and Ewing Sts. and pipe sewers in Donald and Fox Sts. F. J. Anderson, city engr.

Mich., Midland—See "Water-Works."

Ill., Canton—City soon lets contract installing sewerage system. About $19,000.

Ill., Casey—City plans 5½-mi. c.-i. storm sewer, 2 pumps, 400 to 500 gal. per min. each for water-works and pumping station. About $60,000. C. Brossman, engr., Merchants Bank Bldg., Indianapolis, preparing plans.

Ill., Knoxville—City plans to install sewerage system.

Wis., Kilbourn—(Official)—City defeated bonds to install sewerage system. Noted Apr. 19.

Ia., Davenport—City soon receives bids installing storm drains in portion Kirkwood Blvd., segmental block tile, 30- to 54-in. diam. About $21,000. R. E. Sawistowsky, city engr.

Minn., Hayward—Village voted in favor of installing sewerage system W. Baneck, engr.

Minn., St. Paul—City plans to install Otto-Niles sewerage system. About $70,208. O. Claussen, city engr.

Minn., Winona—City rejected bids laying 1700 ft. storm sewers. G. W. Hofmann, clk. Noted Apr. 12.

Kan., Genda Springs—See "Waterworks."

Mo., Mexico—(Official)—City having plans prepared by Black & Veatch, engrs., 507 Interstate Bldg., Kansas City, for sewer improvements Noted Apr. 19.

Mo., St. Louis—City plans to issue $18,840,000 bonds for improvements as follows: Conversion of River Des Peres into closed sewer; installing new and reconstructing old sewers, $3,325,000; laying industrial railway along north bank, reclaiming land, establishing streets and constructing viaducts, $9,915,000; garbage plant, $250,000; street material yards, $100,000; fireproofing city stables, $100,000; southern approaches to free bridge, $1,000,000; bridges, viaducts and streets, $500,000; municipal farms, $450,000; mobilization of fire dept., $300,000; Koch Hospital extensions, $150,000; parks and playgrounds, $2,750,000. E. R. Kinsey, pres. bd. pub. ser.

Tex., Graham—City voted $25,000 bonds to install sewerage system.

Okla., Altus—(Official)—City plans to install sewage-disposal plant with $15,000 bonds, recently voted. Benham Eng. Co., Colcord Bldg., engrs.

Okla., Jenks—(Official)—City defeated $12,000 bonds to extend sewerage system. F. M. Kirvin, clk. Noted Apr. 19.

Cal., Santa Barbara—City will vote June 26 on $85,000 bonds to construct outfall sewerage system. Olmstead & Gillilen, 1112 Hollingsworth Bldg., Los Angeles, engrs. Noted Apr. 12.

Cal., Upland—City will hold election June 5 to vote on $24,000 bonds for outfall sewer. Olmsted & Gillelen, 1112 Hollingsworth Bldg., Los Angeles, engrs.

Que., Longueuil—Town plans to install sewers. About $30,280. A. Thurber, mayor.

Ont., Amherstburg—Town Council plans to extend sewerage system. G. E. Pulford, clk.

Ont., Toronto—R. C. Harris, works comr. recommended to Works Comn. sewers on portions of Don Esplanade West, Front and Overend St. About $15,000.

Sewers (Continued)

Bids Desired

N. Y., Long Island City—Until May 16 by M. E. Connolly, boro. pres., Queens Subway Bldg., sewers appurtenances in 48th, 49th, 50th, Hancock, Ferguson, Edson, Darwell, Mickell and Brady Sts., Alburtus and Fillmore Aves., 2nd Ward; in Park, Hatch, Beaufort and Leggert Ave., Fulton, Diamond, Ferry, Ashland, Farragut, Shipley and Stanton Sts., Forest Pkwy. and Roswell Pl., 4th Ward; Park inlet basin at Beach 130th St. and Newport Ave., 5th Ward; receiving basins and appurtenances in Beach 117th St., Rockaway Beach Blvd., and Newport Ave., 5th Ward; temporary drain in portion 72nd Ave., 3rd Ward; overflow pipe line, gate and connection to well at Elmhurst disposal plant, 2nd Ward; gate chamber and appurtenances at Elmhurst disposal plant, 2nd Ward.

N. J., Newark—Until June 5 by Passaic Valley Sewerage Comn. for Sect. 2 outfall tunnel at Greenville. This contract was previously awarded and abandoned. About $1,800,000.

Miss., Leland—(Official)—Until May 29 by J. H. O'Quinn, town clk., for sewerage system; advertised in this issue.

Ind., Elkhart—See "Streets and Roads."

Ind., Valparaiso—(Official)—Until May 25 by city for West End sewerage system, including 8407 ft. 8-in., 355 ft. 9-in., 1742 ft. 10-in., 1881 ft. 12-in., 200 ft 14-in., 983 ft. 15-in., 400 ft. 16-in., 2629 ft. 18-in., 1331 ft. 20-in., 380 ft. 22-in., 2009 ft. 24-in. and 60 ft. 25-in. c.-i. pipe, 60 manholes, 20 lampholes, outlets, etc About $28,200. C. L. Nelson, city engr. Noted Apr. 5.

Wis., Burlington—(Official)—Until June 2 by Bd. Pub. Wks. for storm-sewer system involving 980 lin.ft. 42-in., 347 lin.ft. 36-in., 378 lin.ft. 24-in., 80 lin.ft. 10-in. sewer, 4 catch basins and 6 manholes; for sanitary sewer 1457 lin.ft. 15-in., 927 lin ft. 12-in., 927 lin.ft. 10-in., 2317 lin.ft. 8-in., 1256 lin.ft. 6-in. vitrified pipe sewer and 23 manholes

Ia., West Burlington—(Official)—Until May 28 by W. J. Giesselman, town clk., sanitary sewerage system, sewage-disposal plant and sewerage pumping plant, involving 15,310 ft. of 8-, 10- and 12-in. vitr. pipe, 15,310 ft. trenching, 0.6 ft. to 20 ft. deep. Stevens & Stiles, 708 Ridge Arcade, Kansas City, Mo., engrs. Noted Apr. 26.

N. D., Stanley—Until May 17 by G. Olson, city clk., for sewerage system.

Mont., Whitehall—Until May 19 by City Council for sewage-disposal plant. G. E. Baker, engr.

Ark., Clarksville—See "Streets and Roads."

Okla., Oklahoma—Until May 22 by city for intercepting sewer. About $200,000. G. V. McClure, city engr. Noted Apr. 12.

Prices and Contracts Awarded

(★Indicates award of contract)

★N. Y., Gloversville—City let contract storm water sewers in East Blvd. and West Fulton St., to M. Vrooman, Main St. About $15,000.

★N. Y., Syracuse—City let contract building 2 mi. sewers to J. Young, Syracuse.

★N. Y., Syracuse—City let contract Divisions 3, 4 and 5, Onondaga Creek Improv., intercepting sewers, connections and alterations of existing sewers, to J. Young, 509 Rastable Blk., $449,960. Noted Apr. 26.

★Pa., Hanover—Town let contract installing sewage-disposal plant to H. Mallander, 167 Barney St., Wilkes-Barre, $92,358.

★N. C., Lenoir—See "Streets and Roads."

★Ga., Cairo—City let contract sewerage system to J. B. McCrary Co., 3rd Natl. Bank, Atlanta, $24,500.

★O., Akron—City let contract installing sewers in Dist. 1, Firestone Allotment to T. E. McChaffery Constr. Co., $57,000.

★O., Canton—City let contract storm sewers to F. A. Downs Constr. Co., 609- 2nd St., N. E., $85,000; and G. W. Luke, 122 Kensington Ct., $2639.

★O., Chillicothe—Bd. Intercountry Hospital Trustees let contract sanitary sewer to connect hospital building with city sewerage system to Ringwald & Son.

★O., Cleveland—City let contract sewer in Melzer Ave. to J. Connelly Constr. Co., 520 Leader-News Bldg., $13,064.

★O., East Cleveland—City let contract storm and sanitary sewers in portion Superior St. to G. W. White, 906 Williamson Bldg., $12,059.

★O., Toledo—(Official)—City let contract Sewer No. 16 to J. N. Bick, 601 Nasby Bldg., $192,437.60.

★Neb., Omaha—City let contract laying 2 mi. sewers to Keystone Pipe Co., Nebraska City.

★S. D., Clear Lake—(Official)—City let contract sewerage system and sewage-treatment plant to Ellerman & McClain, Yankton. Noted Apr. 26.

★S. D., Wessington Springs—(Official)—City let contract sewers and sewage-treatment plant to Dunnegan & Briggs, Shenandoah, Ia.

Cal., Los Angeles—County received only bid sewage-pumping plant at county farm from J. P. Hunter, 405 West 58th St., $11,400.

★Cal., Stockton—City let contract 13,020 ft. 36-in. r. w. stave and 4614 ft. 16 in. vitr. sewers to J. Heafey, 22 Mesa Ave., Oakland, $56,909.

★Ont., Peterboro—City let contract furnishing sewer pipe required for 1917 to H. B. Taylor & Son, Aylmer St.

STRUCTURAL STEEL

Proposed Work

N. J., Paterson—Bd. Freeholders plan to build culvert at Weasel Brook. About $165,000. G. Ferguson, co. engr.

Pa., Johnstown—T. J. Harris, supt. highways, rejected bids extension to 6th St foot bridge, 11th ward. Noted Apr. 19.

S. C., Greenvile—Southern Ry. plans 185-ft. through truss bridge to cross 11 tracks, including 2 main tracks on Gates St., at freight yard south Greenville. B. Herman, Wash., D. C., ch. engr. M. W. and Struct.

Ala., Birmingham—St. Louis & San Francisco R.R. plans to build 175 steel bridges to replace wooden bridges, also lift-span type bridge over Warrior River at Corova. About $350,000. F. G Jonah, St. Louis, Mo., ch. engr.

Ala., Montgomery—City prepared plans bridge over Talapoosa River. About $75,000. S. E. Washburn, city engr.

Miss., McComb—Illinois Central R.R. plans to build viaduct About $200,000. A. S. Baldwin, Chicago, ch. engr.

O., Girard—Co. Comrs. plan new bridge over Mahoning River on Liberty St.

Wis., Clintonville—City voted $10,000 bonds to build bridges.

Wis., Sheboygan—City defeated $50,000 bonds for South 14th St. viaduct.

Ia., Mason City—County sold $17,000 bonds to build bridges.

Minn., Mankato—City plans election to vote on $30,000 bonds to build bridges. H. F Blomquist, city engr.

Neb., Omaha—County sold $268,500 bonds to build bridges and roads.

Mo., St. Louis—See "Sewers."

Okla., Alex—See "Streets and Roads."

Wash., Seattle—County Comrs. soon receive bids building trestle bridge over Kenmore Slough. About $20,000. S. Humes, co. engr.

Cal., Marysville—See "Streets and Roads."

Cal., Oakland—County and Southern Pacific Co. plan bascule bridge over inner harbor. About $1,000,000. W. Hood, San Francisco, ch. engr.

Alta., Edmonton—City Council soon receives bids 4 steel tanks at filtration plant. A. Haddow, act. city engr.

Bids Desired

N. Y., New York—(Official)—Until May 16 instead of May 7, by Pub. Ser. Comn. for 1st Dist., 120 Bway, furnishing and erecting structural steel for inspection sheds in 180th and 239th St. yards of Route No. 18, White Plains Rapid Transit R.R. Noted Apr. 19.

Pa., New Castle—Until May 16 by Co. Comrs. for 37-ft. plate girder span over Coffe Run, 1 219-ft. truss steel span over Neshannock Creek on Mill St. and rebuilding bridge over Big Run on Moravia St. J. R. Lamoree, clk.

Pa., Phila.—(Official)—Until May 15 by W. S. Twining, dir dept. city transit, 754 Bourse Bldg., additional steel superstructure and appurtenant work to provide station platforms on Frankford Elevated Ry. at Huntingdon St. (Contract No. 520). Noted Apr. 26.

Md., Chestertown—Until May 15 by Kent Co. Comrs. building 200-ft. Crumpton Bridge over Chester River between Kent and Queen Anne's Cos.

S. C., Camden—(Official)—Until May 22 by Co. Comrs. highway bridge over Wateree River; advertised in this issue.

La., Kinder—See "Streets and Roads."

O., Ashland—Until May 21 by County building and permanent replacement of Hostettler and Keever Bridge. L. Westover, clk.

O., Toledo—Until May 15 by F. C. Warner, Hippodrome Bldg., Cleveland, for 6 factory buildings for Toledo Furnace Co., steel. About $50,000.

Minn., Austin—(Official)—Until May 28 by County for 60 bridges. Electric Blue Printing Co., Endicott Bldg., St. Paul, engrs. A. C. White, co. engr. Noted Apr. 12.

Mo., St. Louis—Until May 17 by county for 1 70-ft. steel bridge, 14-ft. roadway on tubular piers, concrete floor; 1—75- and 85-ft steel spans, 14-ft. roadway, concrete, abutment, wing walls. P. W. Loonam, co. highway engr.

Prices and Contracts Awarded

(★Indicates award of contract)

★N. H., Manchester—See "Miscellaneous."

★Pa., Bethlehem—Bethlehem and South Bethlehem Bridge Comn. let contract temporary bridge over Lehigh River to Horseheads Constr. Co., Horseheads, N. Y., $24,000.

★N. C., Newton—Catawba and Caldwell Cos. let contract rebuilding Horseford Bridge over Catawba River to C. W. Requarth Co., Charlotte, $38,000.

★Minn., Austin—(Official)—County let contracts 41 bridges as follows: Group 2 to A. Odden, $15,872; Group 4, W. O'Shea & Sons, $16,705; Group 5, and 11, H. F. Garbisch, $14,214 and $16,616, respectively; Group 8, H. L. Griffith, $11,806; Group 13, N. M. Stark & Co., Des Moines, $20,662. Noted Apr. 12.

★Mont., Dixon—Northern Pacific Ry. let contract truss bridges to Grant Smith & Co., 1505 Pioneer Bldg., St. Paul.

★Mo., Kansas City—(Official)—Bd. Pub. Wks. let contract bridge over Blue River at Leeds to N. Miller, 3112 Highland St., $37,033.

Wash., Seattle—Bd. Pub. Wks. received low bids West Spokane St. bridge from J. A. McEachern Co., Inc., Bell St. Dock, $61,606; J. B. Wood, 621 Valley St., Seattle, $64,788; Puget Sound Bridge & Dredging Co., Harbor Island, $75,589.

Ore., Condon—County received low bid building bridge from Portland Bridge Co., Yeon Bldg., Portland, at $18,960.

REINFORCED CONCRETE

Proposed Work

Conn., Bridgeport—(Official)—Karm Terminal Co., 447 North Washington Ave., soon receives bids 2 large rein.-con. tunnels.

Tenn., Cumberland Springs—L. Motlow, capitalist, who recently purchased Cumberland Springs for pleasure resort, will construct rein.-con. dam across Hurricane Creek, 21 ft. thick, 34 ft. high and 300 ft. long, to form lake. Address B. Clay, Middleton.

O., Marietta—City receiving bids about May 18, 6,000,000-gal. rein.-con. reservoir and water mains. Cost, $100,000. E. F. Gates, city engr.

Cal., Salinas—Salinas Hotel Co. plans rein.-con. hotel. About $200,000. T. W. Lenzen, Humboldt Bank Bldg., San Francisco, archt.

Ont., Windsor—Canadian Pacific Ry. plans rein.-con. bridge over London St. crossing to consist of 3 35-ft. spans. J. M. R. Fairbairn, Montreal, asst. ch. engr.

Bids Desired

Md., Allegany—Until May 15 by State Rds. Comn., 601 Garrett Bldg., Baltimore, 116-ft. rein.-con. arch bridge over 15-mile creek.

Pa., Phila.—(Official)—Until May 22 by W. S. Twining, dir. dept city transit, 754 Bourse Bldg., concrete track floors, etc.; advertised in this issue.

Pa., Towanda—(Official)—Until May 15 by Co. Comrs. 2-span, rein.-con. deck girder bridge. D. A. Keefe, co. engr.

Ga., Atlanta—(Official)—Until May 24 by M. B. Wellborn, chn., bd. dir., Federal Reserve Bank, rein.-con. bank. About $175,000. A. Ten Eyck Brown, Realty Trust Bldg., archt. Noted Apr. 26.

O., Piqua—Until May 15 by Superior Underwear Co., North Downing St., for 5-story, 67x200-ft. rein.-con. factory About $100,000. W. E. Russ, Merchants' Natl. Bank Bldg., Indianapolis, archt.

Ind., Mishawaka—(Official)—Until June 4 by A. Wolf, co. audr., South Bend, rein.-con. bridge on Mishawaka Ave. About $85,000. Noted Apr. 19.

Wis., Milwaukee—(Official)—Until May 31 by F. Harbach, secy. school bd., 3-story, 91 x 285-ft., rein.-con. school, Hartford Ave. About $100,000. Van Ryn & DeGelleke, Caswell Blk., archts. Noted Apr. 26.

Mo., Kansas City—Until May 18 by city for steel and rein.-con. viaduct, 876 ft. long, 2—144-ft. through truss spans with 24-ft. roadway and 15-ft. sidewalk, concrete approaches on 4th St from West Bluff into West Bottoms. About $110,000. J. B. Kane, secy. bd. pub. wks. Wadell & Son, Graphic Arts Bldg., Kansas City, engrs.

Prices and Contracts Awarded

(★Indicates award of contract)

★Pa., Reading—(Official)—County let contract rein.-con. bridge over Schuylkill River to Whitaker & Diehl, Union Trust Bldg., Harrisburg Noted Apr. 5.

★Pa., Ringtown—Boro. let contract rein.-con. reservoir and 6- to 8-in. water mains, to Kelly Eng. Co., Buffalo, $12,000.

Pa., Wilkes-Barre—(Official)—County received low bids rebuilding rein.-con. viaduct No. 14 from C. L. Camp, 836 North Irving Ave., Scranton, $82,337; R. D. Richardson Constr. Co., Connell Bldg., Scranton, $88,300; Whittaker & Diehl, Union Trust Bldg., Harrisburg, $111,803. Noted Apr. 19.

Reinforced Concrete (Continued)

Mo., Kansas City—(Official)—Bd. Pub. Wks. let contract building Beardsley St. Trafficway, south of 12th St., comprising several hundred feet rein.-con. retaining wall and sidehill viaduct, to N. Miller, 3112 Highland St., $101,561. Noted Apr. 19.

★Colo., La Junta—(Official)—County let contract concrete bridge over Otero Canal to Smith & McDowell, Pueblo. Noted Apr. 19.

★Cal., Presidio—County let contract rein.-con. viaduct over Lobos Creek to Cahill & Vonsano, 460 Montgomery St., San Francisco, $20,820.

Cal., San Diego—San Dieguito Mutual Water Co. received following bids: (1) rein.-con. dam, 650 ft. long and 110 ft. high, on Carroll damsite, (a) multiple arch, (b) single arch., (c) rock fill; (2) smaller concrete dam on San Dieguito damsite, (a) Eastwood multiple arch, (b) Jorgenson multiple arch; (3) 4 mi. concrete conduit, from Sharp & Fellows Constr. Co., Central Bldg., Los Angeles, (1a) $182,315, (1b) $299,428, (1c) $486,790, (2a) $29,875, (2b) $44,185; Bent Bros., 825 Central Bldg., Los Angeles, (1a) $141,230, (1b) $139,810, (2a) $29,036, (2b) $37,100, (3) $91,691; J. Engebretsen, San Diego, (1a) $256,780, (1c) $397,285; Duncanson & Harrelson, (1a) $169,815, (1b) $151,252, (1c) $351,937, (2a) $35,595, (2b) $48,790, (3) $87,487. Noted Apr. 19.

STREETS AND ROADS

Proposed Work

Conn., Suffield—Town plans to build 2-mi. concrete highway from Dunn's Corner to Thompsonville Bridge. About $25,000.

N. Y., Rome—Bd. Pub. Wks. soon receives bids paving various streets, brick, asphalt or bitulithic. J. Plunkett, city engr.

N. Y., Schenectady—City rejected bids resurfacing and patching Holland Rd., Frank and State Sts., 3rd Ave. and Hillside Blk. New bids. T. Wooley, 447 Franklin St., city engr.

N. J., Hackensack—County plans to build roads. About $100,000.

N. J., Morristown—County plans to spend $150,000 to build roads.

N. J., Salem—(Official)—Bd. Freeholders receiving bids about June 15, 3½-mi. concrete road, 18-ft. wide, 2 stone shoulders. H. B. Kearby, co. engr.

Pa., Radnor—Twp. Comrs. plan to pave Conestoga Rd. About $70,000.

Va., Farmville—See "Water-Works."

Va., Isle of Wight—County plans to build 70 mi. sand-clay roads. A. S. Johnson, co. clk.

N. C., Asheville—City plans to issue $35,000 bonds to improve streets. B. M. Lee, city engr.

N. C., Elizabeth City—City plans to spend $60,000 to pave streets and lay 2000 sq.yd. experimental concrete pavement on Pennsylvania Ave.

N. C., Pittsboro—County voted $30,000 bonds to build roads, Williams Twp.

Ga., Athens—City plans to spend $20,000 to pave streets, concrete. J. W. Parnett, city engr.

Ga., West Point—City election May 29 to vote on $20,000 bonds to pave, grade, drain or macadamize streets. J. T. Johnson, mayor.

Ala., Clanton—County voted $200,000 bonds to build roads. Noted Apr. 5.

Miss., De Kalb—County soon lets contract 20-mi. macadam and sand clay road, Jackson Highway Dist. No. 2. About $35,000. Noted Apr. 5.

La., Edgard—County plans election in June to vote on $180,000 bonds to build roads.

La., Lake Providence—County voted $100,000 bonds to build roads. C. S. Wyley, secy. police jury. Noted Apr. 19.

La., Opelousas—County election June 5 to vote on $500,000 bonds to build 96-mi. road, Rd. Dist. No. 6.

Tenn., Cleveland—City to let contract in May paving 2½ mi. streets. S. D. Newton, Box 24, city engr.

Tenn., Linden—County plans to build 12-mi. road. O. E. Kirk, clk.

Tenn., Springfield—Co. Comrs. plan election to vote on $150,000 bonds to improve roads.

Ky., Irvine—Co. Comrs. plan to build 8 mi. macadam roads and 50 mi. earth roads. F. Newton, co. judge.

O., Bowling Green—County sold $150,000 bonds to improve roads.

O., Cadiz—(Official)—County soon lets contract paving and grading Tippecanoe Rd. H. R. McCoy, co. highway supt.

O., Dayton—(Official)—County received no bids May 3 paving portion Keowee St., brick, work will be readvertised. W. H. Aszling, co. clk. Noted Apr. 26.

O., Lancaster—(Official)—City rejected bids improving portion Wheeling St. About $13,900. J. Griggs, city engr. Noted Apr. 19.

O., Lebanon—(Official)—City to sell $12,000 bonds May 29 to pay its share toward paving portion Mulberry St. M. E. Gustin, clk.

O., Port Clinton—County plans to build 26-mi. road. J. J. Joyce, co. engr.

Mich., Midland—See "Water-Works."

Wis., Hurley—County plans to spend $45,000 to build earth roads. W. D. Tyler, co. clk.

Ia., Toledo—(Official)—County rejected bids 6-mi. permanent grading, including 50,000-cu.yd. earth work. New bids. Noted Apr. 26.

Kan., Hutchinson—City plans to pave 30,000-yd. Adams St., 4000-yd. 18th St. and 2000-yd. Washington St. G. L. McLane, city engr.

Kan., Topeka—City rejected bids 49,000 yd. brick paving. New bids. A. R. Young, city engr.

Neb., Beatrice—County plans to repair 100-mi. and grade 57-mi. road. E. M. Burnham, co. clk.

Neb, Omaha—See "Structural Steel."

S. D., Miller—County plans to build 60- to 100-mi. road. Address H. Woodruff.

S. D., Sisseton—County plans to crown and gravel 100-mi. road. R. P. Didlake, co. engr.

Mont., Billings—County plans to build 47-mi. gravel roads. J. N. Edy, co. engr.

Mont., Livingston—Co. Comrs. plan to spend $60,000 on highway between Livingston and Gardiner.

Mo., Danville—County voted $35,000 bonds to build 23-mi. road, Mineola Dist.

Ark., Clarendon—County plans to build 23-mi. road, Rd. Dist. No. 1, east and west through Brinkley, forming part Little Rock-Memphis Highway. Parkes Eng. Co., Pine Bluff, engrs.

Ark., Ft. Smith—L. C. Packard, engr., Bates, completed surveys for 140 mi. Albert Pike highway from Waldron to Hot Springs.

Tex., Angleton—County election June 2 to vote on $150,000 bonds to build roads, Rd. Dist. No. 20.

Tex., Archer City—Co. Comrs. plan to issue $60,000 bonds to improve roads.

Tex., Bay City—County sold $36,000 bonds to build road in Precinct No. 8. Noted Apr. 5.

Tex., Beaumont—County plans to issue $700,000 bonds to improve roads. N. J. Graham, co. engr.

Tex., Brownfield—County plans grading and dragging number of roads. G. W. Neill, co. surv.

Tex., Comfort—City voted $40,000 bonds to build roads.

Tex., Lakeview—County plans election to vote on $50,000 bonds to build roads, Lakeview Precinct. Address Co. Clk., Memphis.

Tex., Madisonville—County plans to grade number of roads. H. Browning, co. engr.

Tex., Miami—County plans to spend $30,000 to improve roads. D. B. Stribling, co. engr.

Tex., Van Horn—County plans to build 51 mi. highways. W. P. Thaxton, co. surv.

Tex., Vernon—County election May 19 to vote on $1,000,000 bonds to build roads.

Tex., Weatherford—County defeated $250,000 bonds to improve roads in Justice Precinct No. 1.

Okla., Ada—County plans to build 125-mi. state-aid highway. J. A. Jackson, co. engr.

Okla., Ada—County plans election to vote on bonds to build hard-surface roads.

Okla., Alex—City election May 26 to vote on $28,000 bonds to build roads and bridges.

Okla., Chickasha—County voted $10,000 bonds to build roads, Tuttle Twp.

Okla., Mangum—City soon receives bids paving 3 mi. streets. H. H. Edwards, clk. Noted May 3.

Colo., Boulder—City plans to issue $103,200 bonds to pave streets, Paving Imp. Dist. No. 11. G. R. Joslyn, city engr.

Colo., Denver—State Highway Comn. soon lets contract improving roads. About $1,250,000.

N. M., Tucumcari—County election June 9 to vote on $94,000 bonds to improve roads and build bridges.

Utah, Ogden—City election soon to vote on $100,000 bonds to pave streets. J. M. Tracey, city engr.

Utah, Ogden—County plans to build several miles state-aid roads. J. M. Lentz, co. engr.

Utah, Provo—Official)—County defeated $750,000 bonds to pave roads.

Utah—Salt Lake City—County plans to build 10 mi. state roads. H. G. Clark, co. engr.

Ariz., Holbrook—County voted $160,000 bonds to build roads. R. S. Teeple, clk. bd. supervs. Noted Apr. 19.

Ariz., Yuma—City soon lets contract paving portion Orange Ave., 3½-in. bituminous concrete pavement, 1½-in. bitulithic surface, concrete curbs and gutters, etc. S. F. Stanley, city recdr.

Wash., Everett—County rejected bids building permanent highway No. 29 and Bond Rd. No. 18. New bids. Noted Apr. 26.

Wash., Port Orchard—Co. Comrs. plan election to vote on $300,000 bonds to build trunk road.

Wash., Port Townsend—County plans to build Center Ludlow Rd. and Permanent Highway No. 4. B. O. Bendixen, co. engr.

Ore., Madras—County plans to build new roads, Dist. No. 5. H. Degner, Culver, co. engr.

Cal., Marysville—J. R. Meek, co. surv., submitted report to Bd. Superv. estimating cost of highways in county as follows: Rackerby to Camptonville, 23 mi., gravel, $30,000; Marysville to Smartsville, gravel and oil asphalt, $[illegible]; Marysville-Hammonton Rd., 34 mi., gravel and oil asphalt, $55,000; Browns Valley to Dobbins, 19 mi., gravel, $38,000; Marysville to Gianelli, 15 mi., gravel, $30,000; Marysville-Oroville Rd., 5 mi., gravel, $25,000; Wheatland Sect., 16 mi., $33,000; 3 permanent bridges and 1 over Yuba River at Freeman's Crossing will also be included. Noted Apr. 26.

Cal., San Diego—State Highway Comn. plans to pave highway between San Diego and Imperial Valley.

Cal., San Diego—City receiving bids about May 20 concrete paving and curbing, rein.-con. culverts, catch basins, etc., on portions La Jolla Blvd., Prospect St. and Prospect Pl. About $55,000. A. H. Wright, clk.

Que., Levis—Provincial Rd. Dept., Quebec, plans 125-mi. highway from Levis to Fraserville. J. A. Tessier, minister of highways.

Que., Three Rivers—Provincial Rd. Dept., Quebec, soon lets contract 33-mi. highway from Three Rivers to Grand Mere. J. A. Tessier, minister of highways.

Ont., Sarnia—City soon lets contract paving portion London Rd., rein. con. J. A. Baird, city engr.

Bids Desired

R. I., Providence—Until May 16 by State Bd. Pub. Rds. for oil asphalt and heavy tar, in barrels or drums, delivered in state.

Conn., New London—(Official)—Until May 12 by Com. Sts., paving streets, brick. About $19,000. G. K. Crandell, city engr. Noted Apr. 26.

N. Y., Brooklyn—Until May 16 by L. H. Pounds, boro. pres., regulating and repaving with permanent asphalt pavement on 6-in. concrete foundation portions of Boerum Pl., East New York Ave., West 25th, 48th, and 65th St.; regulating, grading, curbing and laying sidewalks on portions 13th Ave. and New Utrecht Rd.; curbing portions 50th St.

N. Y., Long Island City—Until May 16 by M. E. Connolly, boro. pres., Queens Subway Bldg., regulating and grading portions Hart and Madison St.; setting cement curb on portion 130th St.; completing forfeited contract let to W. J. Horrie, July 25, 1916, and curbing and laying sidewalks on portion Thomson Ave.

N. J., Newark—Until May 17 by Bd. Pub. Wks. paving 5200-sq.yd. Prince St., creosoted wood-block, 6-in. concrete foundation, 1700-sq.yd. White Terrace St., asphalt, 6-in. concrete foundation. M. R. Sherrard, city engr.

N. J., Trenton—Until May 23 by City Comn. paving 730-sq.yd. Everitt Alley, 1520-sq.yd. Oxford St., vitr. brick, 5-in. concrete foundation. L. D. Hirsch, clk.

Pa., Narberth—Until May 14 by Boro. paving streets, cement and asphalt, also installing sewers. Albright & Mebus, Land Title Bldg., Phila., engrs.

Pa., Scranton—(Official)—Until May 15 by W. G. Robertson, dir. dept. pub. wks., grading, paving, curbing, etc., portions Green Pl. and Buenzli Ct., also for sanitary sewers in 21st Ward. W. Schunk, city engr.

Pa., Scranton—Until May 15 by county repairing roads. About $50,000.

Pa., Sharpsburg—Until May 14 by T. J. McGivern, boro. clk., paving 4300-sq.yd. North Main St., brick block, concrete base, including 2410 lin.ft. steel protected curb. W. Burns, city engr.

Md., Chestertown—Until May 15 by Co. Comrs. building state aid roads as follows: 3-mi. Ireland's Corner to Massey; 2.21-mi. Still Pond Station to State Rd.; 0.75-mi. through Still Pond village; 0.58-mi. through Betterton. S. Hicks, clk.

S. C., Darlington—(Official)—Until May 18 by City Clk., paving 25,000 to 30,000 sq.yd. streets, brick, asphalt, concrete, sheet asphalt, etc. About $50,000 to $65,000. W. L. Lee, Sumter, engr. Noted Apr. 19.

Fla., Bartow—Until May 26 instead of May 28 as advertised in May 4 issue, paving 302,000 sq.yd. asphalt, and 9 concrete bridges, each 20-ft. spans in Winter Haven Special Rd. and Bridge Dist.; advertised in this issue.

Fla., Palatka—Until May 25 by R. J. Hancock, clk. bd. supervs., for material and paving 29-mi. road, vitr. brick, asphaltic concrete, asphalt block or concrete pavement, with necessary curbs and pipe drainage; also 2 rein.-con. bridges and 5 rein.-con. culverts.

Ala., Montgomery—(Official)—Until May 14 by County for 10,000-cu.yd. gravel at intersection of Long and Orion and Dubin Rd., also 10,000-cu.yd. near Olustee Creek. T. H. Edwards, co. engr.

Ala., Selma—Until May 18 by W. O. Crisman, city engr., paving, curbing and improving Alabama and Selma Ave.

Miss., Charleston—Until May 18 by Co. Highway Comrs. building 21.5-mi. 16-ft. oiled-graveled road. About $200,000 available. A. N. Bullitt, 92 North Tucker St., Memphis, Tenn., engr.

La., Crowley—(Official)—Until June 8 by Bd. Supervs. graveling, draining and grading roads. About $350,000. H. W. Bell, Laurel, Miss., engr. Noted Apr. 26.

Streets and Roads (Continued)

La., Greenwood—(Official)—Until May 16 by Police Jury of Caddo Parish, grading and graveling 7½-mi. road in Greenwood; also graveling 8-mi. in Vivian. D. K. Caldwell, Shreveport, co. engr.

La., Kinder—(Official)—Until May 22 by Bd. Superv. Rd. Dist. No. 2, Calcasieu Natl. Bank Bldg., dredging, grading, grubbing, clearing, draining, bridging and building new highways. L. W. Manuel, pres.

Ky., Louisville—Until May 16 by Bd. Pub. Wks. building concrete sidewalks. About $16,000. D. R. Lyman, city engr.

O., Mt. Gilead—County receiving bids May 18 for purchase of $107,015 bonds for improving Mt. Gilead-Iberia and Penlan Rds. C. O. Higgins, co. audr.

O., Orrville—Until May 21 by A. Jenny, village clk., improving portion South Main St.

O., Willshire—(Official)—Until May 15 by G. D. Mercer, village clk., paving 8050 sq.yd. State St., concrete base and curb. About $23,000. L. A. Boulay Co., Toledo, engrs.

O., Wooster—(Official)—Until May 15 by Co. Comrs., building Wooster-Burbank Rd.; cost, $26,818, brick; $22,768, concrete; also building Rittman-Sterling Rd., monolithic brick, $22,078.

Ind., Elkhart—(Official)—Until May 15 by Bd. Pub. Wks. paving, curbing and guttering various streets, brick, asphalt, bitulithic, concrete or macadam, about $100,000; also building sewers, about $5000. L. M. Russell, city engr. Noted Apr. 19.

Illinois—(Official)—Until May 16 by State Highway Comn., Springfield, building highways as follows: Carroll Co., Sect. C, earth, 19,000 ft., cost $13,246; Grundy Co., Sect. D, concrete, 6227 ft., $13,152; Jackson Co., Sect. D, bituminous macadam, 6000 ft., $12,078, Sect. E, 2950 ft., $5695, Sect. F, 2750 ft., $5940, Sect. G, 1550 ft., $4658; Montgomery Co., Sect. F, earth, 20,928 ft., $6915, Sect. G, 38,383 ft., $12,935; Ogle Co., Sect. D, concrete, 6800 ft., $18,473; Rock Island Co., Sect. C, concrete, 4475 ft., $9280; Stephenson Co., Sect. E, brick, 600 ft., $18,625; Tazewell Co., brick, 2000 ft., $7046.

Ill., Berwyn—Until May 15 by Bd. Local Improv. paving various streets, asphaltic concrete. B. Strutzenburg, city engr.

Ill., Edgar—(Official)—Until May 21 by Highway Comrs. building 7920 lin.ft. gravel road on Gordon Bush Rd. or Rd. No. 1, 5280 lin.ft. Wetzel Rd. or Rd. No. 2, and 5280 lin. ft. Wolf Mound Rd. or Rd. No. 3. O. S. Mason, comr.

Ill., Ottawa—(Official)—Until May 15 by Bd. Local Improv. paving 48,370-sq.yd., brick on concrete foundation. About $108,000. G. K. Farnsworth, city engr. Noted Apr. 26.

Wis., Menasha—Until May 15 by city paving 1st and 2nd Sts., including 11,478 sq.yd. pavement, 11,407 ft. curb and gutter, rein. con., asphalt or brick. M. McMahon, city engr.

Minn., Brainard—Until May 31 by city paving 17 blocks, concrete. A. M. Alborn, clk. Noted Apr. 26.

Neb., Schuyler—See "Excavation and Dredging."

Mo., Kansas City—See "Reinforced Concrete."

Ark., Clarksville—(Official)—Until May 24 by Bd. Comrs. Paving Dist. No. 1 for 15,790 sq.yd. concrete or asphaltic concrete pavement, 8200 ft. curb and gutter and 1200 ft. 12-, 15- and 18-in. storm sewers. Winters & Dove, Ft. Smith, engrs.

Ark., Jonesboro—Until May 28 by City Comrs. paving 15-mi. streets. About $360,000. B. Eddien, city engr.

Idaho, Rexburg—(Official)—Until May 16 by A. C. Heath, city clk., paving surfacing and draining streets, also building sidewalks. About $80,000. H. M. Lundborg, city engr. Noted Apr. 5.

Wash., Montesano—Until May 21 by Co. Comrs. paving Permanent Highway No. 14, 1 course concrete, 11,666 lin.ft., 18 ft. wide, also grading, clearing, building culverts and surfacing with gravel 2¼ mi. East Hoquiam Rd. Extension. G. D. Robertson, co. engr.

Cal., Batavia—Until May 28 by State Highway Comn., Morum Bldg., Sacramento, 8 mi. concrete highway between Batavia and Putah Creek.

Cal., Modesto—Until May 15 by Bd. Superv. concrete paving and grading and building culverts on roads as follows: 3 222 mi. Sect. C, Waterford Rd. from Southern Pacific Ry. east to Roberts Ferry Bridge; 2.882 mi. Hickman-Thalheim Rd. from T. I. D. main canal to Hickman. H. Benson, clk.

Prices and Contracts Awarded

(★Indicates award of contract)

★**Massachusetts**—Massachusetts Highway Comn., Boston, let contracts highways as follows: E. C. Sargent, 29 Adams Blk., Quincy, Norwood-Walpole Twp., $7925; Lane Constr. Corp., 37 Colony St., Meriden, Conn., Templeton Twp., $12,956, Orange Twp., $6625, Buckland Twp., $18,580; Marshfield Contr. Co., Marshfield, Cohassett-Marshfield-Scituate Twp., $20,510; Middlesex Contr. Co., Medgord, Acushnet-Fair Haven Twp., $51,089; W. F. Loud & Sons Co., Quincy, Braintree-Quincy Twp., $11,460; D. O'Connell & Sons, Holyoke, Erving Twp., $24,965; Northampton-Southampton Twp., $38,881; R. F. Hudson Melrose, Tewksbury Twp., $24,050; B. E. Savage, Dewey St., Worcester, Athol Twp., $13,669; J. McCormick, East Providence, R. I., Dartmouth-Westport Twp., $16,297.

★**Mass., Woburn**—City let contract rebuilding streets to Simpson Bros. Corp., 166 Devonshire St., Boston.

R. I., Providence—(Official)—State Bd. Pub. Rd. received low bids 375,000-gal. asphaltic oil from Standard Oil Co., 26 Broadway, New York City, 9c. per gal.; 450,000 gal. refined tar from Barrett Co., 17 Battery Pl., New York City, 8.8c. per gal. Noted Apr. 26.

★**Conn., Bristol**—(Official)—City let contracts 20,000 lin.ft. road grading, 500,000 sq.ft. gravel road, 230,000 sq.ft. concrete sidewalk, 40,000 lin.ft. concrete curb, 110,000 sq.ft. concrete gutter, also sundry retaining walls, storm-water sewers, etc., to Donfro Bros., North Leominster, Mass., for South Side Sect., and J. P. Maguire, New Britain, for North Side Sect. Noted Apr. 26.

★**Conn., Hartford**—(Official)—Bd. Contract and Supply let contract paving 46,000 sq.yd., sheet asphalt, to E. Balf Co., 26 State St., $99,000. Noted Apr. 19.

N. Y., Albany—(Official)—State Highway Comn., 55 Lancaster St., received low bids, May 1, repairing highways in various counties as follows: Repair Contract No. 1093, Broome Co., Roads Nos. 420 and 5215, N. E. Young, Jeffersonville, $32,970, C. F. Sullivan, Syracuse, $36,568; Repair Contract No. 1094, Broome Co., Roads Nos. 275 and 420, Sherman Contr. Co., Inc., Oneonta, $14,829; Repair Contract No. 1040, Cayuga Co., Road No. 684, G. Clayton Hill, Fulton, $10,674; Repair Contract No. 1098, Cayuga Co., Roads Nos. 384 and 752, Brayer Bros., Auburn, $18,634, Pathfinder Constr. Co., Fulton, $19,592; Repair Contract No. 1047, Clinton Co., Road No. 533, Spellman-Oliver Co., Chateaugay, $25,195; Repair Contract No. 1081, Erie Co., Road No. 529, John Johnson Constr. Co., Buffalo, $29,392; Repair Contract No. 1088, Erie Co., Road No. 527, R. Hopkins, Troy, $22,985, Rossney Contr. Corp., Buffalo, $23,445; Repair Contract No. 1097, Erie Co., Road No. 129, Stanley Constr. Co., Buffalo, $17,782; Repair Contract No. 1105, Erie Co., Roads Nos. 524 and 525, R. Hopkins, Troy, $60,428; Repair Contract No. 1109, Jefferson Co., Road No. 440, Pathfinder Constr. Co., Inc., Fulton, $4952; Repair Contract No. 1108, Jefferson Co. Roads Nos. 425, 1182 and 5266, H. W. Fearl, Potsdam, $4166, Pathfinder Constr. Co., Fulton, $4349; Repair Contract No. 1100, Niagara Co., Road No. 507, C. B. Whitmore Co., Lockport, $51,721, J. Moon, Lockport, $52,650; Repair Contract No. 1092, Orange Co., Road No. 156, Schunnemunk Constr. Co., Highland Mills, $49,720; Repair Contract No. 1104, Orange Co., Road No. 115, Schunnemunk Constr. Co., Highland Mills, $29,978; Repair Contract No. 1107, Orange Co., Roads Nos. 43 and 154, Schunnemunk Constr. Co., Highland Mills, $11,522; Repair Contract No. 1084, Oswego Co., Road No. 5276, Pathfinder Constr. Co., Fulton, $17,159, Rossney Contr. Co., Buffalo, $17,323; Repair Contract No. 1101, Suffolk Co., Road No. 794, T. Doran, Sr., Huntington, $49,668; Repair Contract No. 1096, Westchester Co., Roads Nos. 405, 519, 520 and 587, J. A. Webb, Salem Center, $6566, Irish & Bradley, Yorktown Heights, $6872; Repair Contract No. 1103, Westchester Co., Road No. 503, Granite Contr. Co., Inc., Cohoes, $36,387, L. Petrillo, Mt. Vernon, $36,406, Daly & Merritt, Inc., Portchester, $37,485. Noted Apr. 26.

N. Y., Brooklyn—(Official)—L. H. Pounds, boro. pres., received low bids regulating, grading, curbing and laying sidewalks on portions of (a) Jay St., (b) Park Ave., (c) Sands St., (d) Utica Ave., (e) Plaza space, Water, Pearl, Front and Adams St., from L. H. Friedman, 128 East 123rd St., New York City, (a) $11,769, (b) $21,493, (c) $20,257, (d) $42,729, (e) $14,993; F. J. Gallagher, (e) $15,920; Leonard Paving Co., (c) $21,469, (d) $41,664, (e) $15,994. Noted Apr. 26.

★**N. Y., Islip**—(Official)—C. D. Schlemmer, supt. highways, let contract paving 2900 cu.yd. concrete and 3000 sq.yd. warrenite resurfacing to Lotito & Romeo, Patchogue, $36,329. Noted Apr. 26.

N. Y., Long Island City—(Official)—M. E. Connolly, boro. pres., received low bids, May 7, improving portions Van Alst Ave. from Franklin Contr. Co., 52 Vanderbilt Ave., New York City, $14,084; Queens Blvd. from J. McAvoy, 820 Bergen St., Brooklyn, $38,737. Noted May 3.

★**N. Y., Patchogue**—Village let contract building concrete roads on Main St., North Ocean and Railroad Ave. to Molloy & Murray, Saw Mill River Rd., Yonkers. About $51,306.

★**N. Y., Rochester**—City let contract cement sidewalks and asphalt paving to Whitmore, Rauber & Vicinus, 279 South Ave., $50,000.

★**N. Y., Southampton**—Village let contract paving Main St. and Jobs Lane, warrenite, to Warren Bros. Co., 50 Church St., New York, $50,000.

★**N. J., Bayonne**—Bd. Comrs. let contract paving 58,000 sq.yd. streets, asphalt, to W. T. S. Critchfield, 2 Greene St., Jersey City. Noted May 4.

★**N. J., Newark**—Bd. St. and Water Comrs. let contract paving portions North Munn and Sunset Ave., bitulithic, 6-in. concrete base, to Standard Bitulithic Co., 31 Clinton St., $13,979 and $12,858, respectively; paving, grading, curbing and flagging portion Woodlawn Ave. to Newark Paving Co., 133 1st St., $15,079.

★**N. J., Trenton**—(Official)—Bd. Freeholders let contract repairing Greenwood Ave. and Lawrenceville Rd. to C. A. Reed & Co., 623 Monmouth St., Trenton, $10,921.

Pa., Harrisburg—State Highway Dept. received low bids road work in counties as follows: Dauphin Co., 1270 ft., vitr. brick, concrete base, Stucker Bros. Constr. Co., Russ Bl., Harrisburg, $19,949; Cambria Co., Route 42, 32,923 ft., G. T. Morgan, Johnstown, $171,412; J. L. Elder, Center St. Ebensburg, $183,425; Allegheny and Washington Co., 36,170 ft., S. Gambel Co., Carnegie, $270,474. Noted Apr. 26.

★**Pa., Hazelton**—City let contract to pave and curb portion Juniper St. to J. Leffler, Wyoming and Holley Sts.

★**Pa., Pittsburgh**—City let contract improving Bigelow St. to M. O'Herron Co., South 1st and McKean St., $66,427.

★**Pa., South Bethlehem**—City let contracts about 75,000 sq.yd. paving, brick, asphalt, bitulithic, macadam and concrete, to Freeland Construction Co, D. McNeil & Co., Manwaring & Cummings, 5622 Germantown Ave., Phila., and R. S. Rathbun, Hun Blk., Allentown. Total cost, $151,698. Noted Apr. 5.

★**N. C., Beaufort**—(Official)—City let contract 10 mi. cement sidewalks to J. L. McGehee Contr. Co., Topton. Noted Apr. 5.

★**N. C., Lenoir**—(Official)—City let contract 35,000 sq.yd. bitulithic paving, 10 mi. cement sidewalks and 22 mi. storm sewers to Ely Constr. Co., Charlotte, $86,733.

★**Miss., Brookhaven**—County let contract 19.7 mi. roads, Dist. No. 4, to Middleton & Smith, Brookhaven. About $37,941. Noted Apr. 26.

★**Tenn., Centerville**—Highway Comn. let contract grading 40-mi. road to Brown & Rawlinson, Montgomery, Ala., $80,000.

★**O., Bexley**—(Columbus post office)—Village let contract paving, grading and curbing various streets, also installing sewers, to Cleveland Trinidad Paving Co., 420 Lakeside Ave., Cleveland, and S. T. Knight, 487 Oak St., Columbus, $41,739.

★**O., Cincinnati**—Bd. Control let contract oiling streets in 1st and 3rd Dists., macadam, to Citizens Road Preserving Co., 4 Temple Ct., $0.0575 per sq.yd.

★**Mich., Bessemer**—(Official)—Co. Rd. Comrs let contract clearing, grubbing and grading 5-mi. road to M. Maki, Bessemer, $18,745. Noted Apr. 26.

★**Illinois**—(Official)—State Highway Comn., Springfield, let contracts road work as follows: Massac Co., Sect. D, Route 3, to Q. Martin, Metropolis, $1538; Jersey Co., Sect. F, Route 6, E. Conners, Jerseyville, $4871; Marshall Co., Sect. E, Route 1, D. M. Dean, Lacon, $11,986.

★**Ill., Lincoln**—City let contract paving various streets, brick and creosoted block, to H. K. Rhodes & Co., $48,803.

★**Ia., Pocahontas**—County let contract grading 43 sections county roads, including 110,000 cu.yd. excavation, to E. Peterson Co., 1402 Woodmen of World Bldg., Omaha, 29.95c. per cu.yd.

★**Minn., Morris**—City let contract paving streets to S. Loher, Chokio, $13,331.

★**Kan., Topeka**—City let contract paving streets, asphaltic concrete, to Security Paving Co., 236 Lathrop Bldg., Kansas City, Mo., $107,738; resurfacing Topeka Ave., asphaltic concrete, to Kaw Paving Co., Topeka, $37,146.

★**Wash., Chehalis**—County let contract 1-mi. road north of Centralia to Hendricks & Ward, Centralia, $13,400. Noted Apr. 12.

★**Wash., Pasco**—County let contract paving Elgin Rd. to Porter & Conley, Portland, Ore., $11,000.

★**Wash., Walla Walla**—City let contract paving Valencia and Howard St. to Warren Constr. Co., Journal Bldg., Portland, $14,500. Noted Apr. 12.

Ore., St. Helens—County received low bids 8840 sq.yd. hard surface pavement conecting St. Helens and Houlton, from Warren Constr. Co., Journal Bldg., Portland, bitulithic, $1.48 per sq.yd. with 50c. cu.yd on common earth excavation and $2.50 per cu.yd. on solid rock excavation; Montague-O'Reilly Co., Blake McFall Bldg., Portland, asphaltic concrete, $1.38 per sq.yd., 50c. cu.yd. common earth excavation, $2 per cu.yd. solid rock excavation; E. J. Mills, St. Helens, concrete, $1.36 per sq.yd., 6-in. thick; Lees Dock Co., St. Helens, $1.60 per sq.yd.

★**Ore., The Dalles**—County let contract paving Chenowith-Petersburg Highway to Wolf & Gibbons, Washougal, Wash., $26,178.

★**Cal., Presidio**—County let contract building highway to O. McHugh, Russ Bldg., San Francisco, $26,859.

★**Cal., Richmond**—City let contract improving South Wall and 41st Sts. to G. W. Cushing, 420 Macdonald Ave., $23,806.

★**Cal., San Mateo**—City let contract paving streets, Haywood Park Dist., to Federal Constr. Co., Sharon Bldg., San Francisco, $103,715.

★**Cal., Warner Springs**—Federal Forest Bureau let contract 9.4-mi. road, Cleveland National Forest, to C. L. Hyde Constr. Co., Spreckles Bldg., San Diego, $11,936.

★**Ont., Woodstock**—City let contract paving Ridell St., asphalt, to Warren Bituminous Paving Co. of Toronto, Ltd., Toronto, $2.08 per sq.yd.

RAILWAYS—STEAM AND ELECTRIC

Proposed Work

Pennsylvania—East Berlin R.R. plans extending line from East Berlin to Hanover or York. U. L. Glatfelter, East Berlin, pres. and gen. mgr.

Pennsylvania—Phila. Electric Co., 1000 Chestnut St., Phila., plans siding and cable railway at power plant on Christian St. About $45,000. A. J. DeCamp, mgr.

West Virginia—Appalachian Power Co. (Bluefield Div.) plans extending line from Bluefield touching about 40 towns in vicinity, covering distance of 50 mi. H. Markle, Bluefield, gen. mgr.

South Carolina—South Carolina Light, Power and Railways Co., plans to extend line from Spartansburg to Whitney and will reconstruct part of Clifton line. F. H. Knox, 33 Morgan Sq., Spartansburg, vice-pres. and gen. mgr.

Florida—South Florida Interurban Ry. filed charter with Secy. of State of Florida for electric railway from Melbourne west to Haines City, north to St. Cloud, Orlando and Sanford, thence west through Marion, Lake and Citrus Cos. on west coast, entering Tampa from north and finally completing loop at Haines City. W. Hall, St. Cloud, secy.

Kentucky—Elk Fork Ry., recently incorporated with $25,000 capital stock and debt limit of $1,000,000, plans 40-mi. railway in Morgan and Elliott Cos. W. S. Whiting, Elizabethtown, Tenn.; H. M. Collins, Frankfort; W. R. Snyder, W. H. Porter and J. F. Caywood, Lexington, interested.

Ohio—Cleveland, Painesville & Eastern R.R., Willoughby, asked permission of Pub. Utilities Comn. of Ohio to issue $68,000 bonds to extend and improve its system. J. Jordan, vice-pres., gen. mgr. and pur. agt.

Ohio—Lake Shore Electric Ry., Electric Bldg., Cleveland, applied to Pub. Utilities Comn. of Ohio for permission to issue $51,000 bonds for improvements. L. K. Burge, Sandusky, gen. supt.

Ohio—New York Central R.R. (Lines West of Buffalo) will lay 20 mi. new tracks, roundhouse, switches, crossovers, signal and interlocking system at Coalburg (Hubbard P. O.). G. C. Cleveland, St. Clair Ave. and West 3rd St., Cleveland, ch. engr.

Indiana—Ft. Wayne & Decatur Traction Co., Studebaker Blk., Decatur, asked permission of Pub. Ser. Comn. of Indiana to issue $100,000 bonds for extensions and improvements. A. M. Fishbaugh, Celina, O., ch. engr.

Kansas—Wichita-Walnut Valley Interurban Ry., recently organized with $1,000,000 capital stock, plans electric railway from Wichita to oil fields in Butler Co., either from Wichita to Eldorado, via Augusta or through Andover, Benton and Towanda to Eldorado. Company plans to begin construction in few months. J. H. Butts, 219 East 1st St., Wichita, pres. L. S. Naftzger, 1055 North Lawrence Ave., Wichita, treas.

Missouri—See "Sewers" under St. Louis.

Idaho—Chicago, Milwaukee & St. Paul Ry. plans extending line from Elk River into great white pine belt, tributary to Clearwater River, and to Weippe, 80 mi. Company will build dam on north fork of Clearwater River at Big Island, to form storage reservoir and for generating electric power. C. F. Loweth, Railway Exchange Bldg., Chicago, ch. engr.

California—Atchison, Topeka & Santa Fe Ry. (Coast Lines) plans 5½-mi. railway from its Perris-Riverside Line into Morengo Valley. G. W. Harris, Kerchhoff Bldg., Los Angeles, ch. engr.

Ontario—Hydro-Electric Power Comn., Continental Life Bldg., Toronto, completed surveys line from Welland to Port Colborne and Bridgeburg. About $10,000,000. F. A. Gaby, ch. engr.

Prices and Contracts Awarded

(★Indicates award of contract)

★**Oregon**—Klamath Falls Municipal Ry. let contract line from 2nd St. and Klamath Ave., Klamath Falls, to Dairy, Ore., 20 mi., to R. E. Strahorn, Northwestern Bank Bldg., Portland, $300,000.

EXCAVATION AND DREDGING

Proposed Work

Ky., Morganfield—Drainage—Truman Drury, and associates, plan underground tile drainage (gridiron) system to drain 400 acres farming land in Union Co.

Minn., Ada—Ditches—County will sell $235,000 bonds on May 15 for Judicial Ditches Nos. 53 and 54. D. E. Fulton, co. aud.

Minn., Minneapolis—Creek Improvements—City granted permission by State Legislature to issue $150,000 bonds for straightening and improving Bassett's Creek. F. W. Cappelin, city engr.

Mo., St. Louis—Reclamation—See "Sewers."

Tex., San Benito—Irrigation—H. Heywood, secy. Cameron Co. Irrigation Dist. No. 2, will soon receive bids 750,000 cu.yd. earth removal.

Wash., Prosser—Irrigation—R. H. Thomson, J. H. Kane, A. J. Wise and R. B. Williamson, comrs. Horse Heaven Irrigation Dist., approved plans prepared by O. Laurgaard, engr., Railway Exchange Bldg., Portland, for district, to cost $15,000,000.

Cal., El Centro—(Official)—Irrigation—W. H. Holabird, engr., 318 Land Title Bldg., Los Angeles, advises that final surveys will be completed about August for collection of several mountain streams in San Jacinto Mts. for bringing water from Whitewater River into Coachilla Valley for irrigation. Bids will then be received. Noted Apr. 12.

Cal., Sacramento—Channel Improvements—State Assembly passed bill appropriating $500,000 to be used with like sum to be allotted by Federal Government for widening, deepening and straightening of channel in lower part of Sacramento River.

N. B., St. John—Excavation, Etc.—City soon receives bids excavation and backfill for water-pipe extension on Manawagonish Rd., also water-pipe line from Loch Lomond to city.

Ont., Hepworth—Drainage—Town Council plans drainage system. W. R. White, clk.

Bids Desired

N. Y., Brooklyn—Dredging—Until May 16 by L. H. Pounds, boro. pres., dredging Gowanus Canal from its head to Hamilton Ave.

N. J., Ogdensburg—See "Waterworks."

Ind., Petersburg—Ditch—Until May 18 by J. H. Chappell for 8-mi. dredge ditch with necessary laterals in Flat Creek D. D. No. 1. W. H. Ault, secy.

Ia., Ft. Dodge—Drainage—Until May 24 by Webster Co. for County Drain No. 227. About $23,997. A. J. Peterson, co. aud.

Minn., Benson—(Official)—Ditch—Until May 25 by Swift Co. for Judicial Ditch No. 5, consisting of 153 mi. tile, 6-in. to 30-in.; 29 mi. open work, 1,600,000 cu.yd. S. B. Gardner, Benson, engr.

Minn., Duluth—(Official)—Ditch—Until May 16 by Co. Aud. for Ditch No. 10, involving 3.16 mi. right-of-way; excavating 25,618 cu.yd. ditch; cleaning out 0.28 mi. creek and 2 steel bridges. Noted May 3.

Minn., Elk River—Ditch—Until May 18 by Sherburne Co. for County Ditch No. 19, about 58,008 cu.yd. excavation on main ditch and 42,238 cu.yd. excavation on branches. Cost, $12,475. A. Robinson, co. aud.

Minn., Fairmont—Ditch—Until May 15 by County for Judicial Ditch No. 73, about $31,378. H. C. Nolte, co. audr.

Minn., Minneapolis—(Official)—Dredging—Until May 14 by Co. Comrs. dredging Lake Minnetonka. A. P. Erickson, co. aud.

Neb., Schuyler—(Official)—Drainage—Until May 18 by H. Fletcher, co. clk., for excavation of drainage ditch and road improvements, involving 95,200 cu.yd. excavation, 60,400 cu.yd. road improvement, 3000 cu.yd. clean out old ditch. About $31,000.

S. D., Clear Lake—(Official)—Drainage—Until May 22 by J. H. Lunde, chn. bd. co. comrs. for Anderson D. D. about 4½ mi. long, average depth, 9 ft. involving 130,000 cu.yd. excavation. Noted Apr. 26.

Okla., Oklahoma—Excavation, etc.—Until May 15 by Bd. Comrs., City Hall, West Main St. excavating and concreting clear well at waterworks, Sect. "K." C. F. Semmelbeck, clk.

Ore., Ontario—Drainage—Until May 17 by Secy. Malheur D. D., drainage system, involving 3-mi. open drain and 60,000 lin. ft. treated wood box covered drain.

Prices and Contracts Awarded

(★Indicates award of contract)

★**N. H., Manchester**—Drainage—See "Miscellaneous."

★**Ia., Algona**—Drainage—County let contract Drain No. 32 to Thomas & Sweet, $22,000, open work; Graettinger Tile Wks., $75,000, tile.

★**Minn., Ada**—Ditch—County let contract County Ditch No. 41 to M. Braunsberg, Bear Park, 12c. cu.yd.; culverts to P. H. Hanson.

★**Minn., Montevido**—Ditch—County let contract Judicial Ditch No. 6 to C. Sutcliffe, Litchfield, open work, and Olson & Johnson, Minneapolis, tile. Total cost, $30,000.

★**Minn., Warren**—Ditch—Marshall Co. let contract County Ditch No. 25 to Northwestern Drainage Co., Thief River Falls, 9¼c. cu.yd.

Cal., San Diego—Dam—See "Reinforced Concrete."

INDUSTRIAL WORKS

Proposed Work

Conn., Hartford—Colt's Patent Firearms Mfg. Co., Vandyke Ave., plans saw-tooth, 1-story, 171 x 500-ft. factory to run parallel with its south armory and be devoted to U. S. Government work.

N. Y., Brooklyn—Cronk Works of Natl. Lead Co., 135 Marshall St., plans 4-story, 50 x 228-ft. plant. About $90,000.

N. Y., New York—New York Butchers' Dressed Meat Co., 11th Ave. and 39th St., plans 6-story, 100 x 125-ft. warehouse and refrigerating plant. B. C. Clark, c/o Armour & Co., Union Stock Yards, Chicago, archt. and engr.

Pa., Chester—Chester Paper Co., Chester, will build 3-story, 118 x 256-ft. finishing building.

Pa., Gettysburg—Gettysburg Ice and Cold Storage Co. plans cold-storage plant. About $60,000. Q. Hafer, archt., 155 Garfield St., Chambersburg, prepared plans.

Pa., Homestead—Homestead Valve Mfg. Co., 134 6th Ave., plans 2-story, 97 x 112-ft. factory. About $60,000. A. G. Wickerham, archt., 601 McClure St., soon receives bids.

Pa., Phila.—Treen Box Co., Tioga and Memphis Sts., plans 3-story addition. W. E. S. Dyer, archt., 1517 Land Title Bldg., soon receives bids. Noted Apr. 19.

Pa., Williamsport—U. S. Sand Paper Co., 1560 Erie Ave., plans 2-story, 100 x 250-ft. addition. F. A. Rienhard, archt., Masonic Temple Bldg., soon receives bids.

Va., Winchester—Winchester Cold Storage Co., Farmers' and Merchants' Natl. Bank Bldg., plans 3-story, 170 x 200-ft. cold-storage and ice-manufacturing plant. About $200,000. S. Edmunds, archt., Farmers' and Merchants' Natl. Bank Bldg., prepared plans.

O., Cincinnati—Banner Baking Co., Stanton Ave. and Oak St., will build 2-story addition. About $50,000.

O., Cleveland—Atlas Brass Mfg. Co., 332 Lakeside Ave., plans 3-story factory at East 34th St. and Superior Ave. Christian-Schwartzenberg & Gaede Co., archts., 1900 Euclid Ave., prepared plans.

O., Cleveland—F. J. Chapple, 501 Republic Bldg., plans 4-story, 100 x 100-ft. warehouse on Wooldridge Ave.

O., Cleveland—Chicago Pneumatic Tool Co., East 49th and Lakeside Sts., will soon let contract for 3-story, 100 x 350-ft. factory on East 37th St. Allen-Osborne Co., archts., Rose Bldg., prepared plans.

O., Cleveland—Erie Dock Co., West 25th St., will soon let contract factory buildings. About $50,000. F. C. Warner, Hippodrome Bldg., archt.

O., Cleveland—Standard Oil Co., 1851 Euclid Ave., preparing plans oil plant. About $300,000.

O., Cleveland—Winton Engine Co., 2116 West 106th St., will build 1-story, 99 x 358-ft. brick addition to plant. About $75,000.

O., Coalburg—(Hubbard P. O.)—See "Railways."

O., Pittsburg—Rollin Chemical Co., South Charleston, plans to build 5 additional buildings and install equipment. About $6,000,000.

O., Toledo—Toledo Bread Co., 2121 Canton St., purchased site at Summit and Elm Sts. and plans bakery. About $100,000.

O., Toledo—Toledo Machine & Tool Co., 1736-44 Door St., purchased 100 acre site and plans factory. About $100,000.

O., Warren—Liberty Steel Co., Western Reserve Bank Bldg., preparing plans steel plant and warehouse. About $600,000. E. E. Clark, pres.

O., Whitehouse—Page Dairy Co., Page and Knapp Sts., soon receives bids 2-story, 60 x 120-ft. plant. About $60,000. Devore & McGormley, 384 Nasby Bldg., Toledo, archts. Noted Apr. 12.

Mich., Ann Arbor—(Official)—Hoover Steel Ball Co. will build 3 brick and concrete additions and equip same with machinery to increase the output. Company will spend about $250,000 during year on expansions. J. J. Hoover, vice pres. and gen. mgr.

Mich., Detroit—W. H. Traves, 264 West High St., plans 9-story, 58 x 158-ft. light manufacturing and mercantile building. About $150,000.

Ill., Chicago—Kosher Star Sausage Mfg. Co., 1010-1012 Maxwell St., plans 2-story, 50 x 100-ft. addition. W. L. Hoffman, Jr., archt., 144 West 47th St., soon receives bids.

Ill., Chicago—Peacock Estate, c/o E. N. Brydges, archt., 64 East Van Buren St., revising plans 3-story, 100 x 110-ft. factory.

Wis., Sheboygan—Badger State Tanning Co. retained Juul & Sixta, archts., Imig Bldg., to prepare plans 4-story brick and rein.-con. warehouse and office building.

Mo., Vandalia—(Official)—Walsh Fire Clay Products Co. retained Unit Constr. Co., engrs., Title Guaranty Bldg., St. Louis, to design and build industrial village at plant in Vandalia. Cost about $500,000.

Ark., Truman—(Official)—Truman Cooperage Co., Truman, retained Unit Constr. Co., engrs., Guaranty Bldg., St. Louis, to design and build plant here. Plans include jointer buildings, heading mill, warehouse, stave dryers, etc. About $150,000.

Tex., Dallas—Hamilton-Carhartt Overall Co., 10th and Michigan Sts., Detroit, will build plant in Dallas. About $100,000. J. R. Bustin, local mgr.

Tex., San Antonio—Armour & Co., Union Stock Yards, Chicago, will build cold-storage plant here. About $100,000.

Utah, Provo—Utah Ry. plans to spend $75,000 for improvements here, including 4-stall engine house, cinder pit, 200-ton coal bin, 100-ft. turntable and steel water tank. O. J. Egleston, Salt Lake City, vice-pres. and ch. engr.

Bids Desired

O., Piqua—See "Reinforced Concrete.

O., Toledo—See "Structural Steel."

Prices and Contracts Awarded

(★Indicates award of contract)

★**N. Y., Brooklyn**—R. Leoninger, 1044 Park Ave., let contract factory to Faribault Bldg. Co., 52 Vanderbilt Ave., New York City, $180,000. Noted May 3.

Industrial Work (Continued)

★N. Y., **Brooklyn**—(Official)—Pub. Ser. Comn. for 1st Dist. approved award made by New York Municipal Railway Corp. of Brooklyn to A. Pasquini, 30 East 42nd St., New York City, for new Ridgewood substation to be used in connection with furnishing current for operation of 14th St.-Eastern line and other new rapid-transit lines in Brooklyn. Cost, $59,900.

★N. Y., **New York**—Parker Realty Co., Newburgh, let contract brick and rein.-con. garage, 533-535 West 27th St., to Ruggles-Robinson Co., 331 Madison Ave., $50,000.

★N. Y., **Rochester**—Gleason Wks., 1000 University Ave., let contract heat-treating building and addition to power house to A. Hopeman & Sons Co., 569 Lyell Ave.

★N. J., **Newark**—M. Damm, 83 Greene St., New York City, let contract 4-story leather factory on St. Francis St. to J. J. O'Leary Co., 810 Broad St., about $51,500.

★N. J., **Red Bank**—Sigmund Eisner Co. let contract 3-story addition to Turner Concrete Steel Co., 1713 Sansom St., Phila.

★O., **Cleveland**—Standard Equipment Co., Schofield Bldg., let contract plant, Lorain and West 106th St., to S. Austin Constr. Co., 14,230 Euclid Ave., about $150,000.

★O., **Lorain**—Lorain County Electric Co. let contract boiler and power house to Utilities Constr. Co., $400,000.

★Ind., **Indianapolis**—Fairbanks-Morse Elec. Mfg. Co., 2102 Northwestern Ave., let contract addition to Bedford Stone and Constr. Co., Fletcher Savings and Trust Bldg., $83,000.

★Ill., **Chicago**—O. Heineman Co. will build 4-story factory, 1935-45 North Fairfield Ave., by day labor. About $160,000. Noted May 3.

★Ill., **Chicago**—Victor Electric Co., 2000 West Jackson Blvd., let contract brick factory, 218-228 South Robey St., to E. W. Sproul Co., 1120 West 35th St., $100,000.

★Ill., **Dixon**—Illinois Northern Utilities Co., 421 1st St., let contract steam electric plant to Adams Constr. Co., 137 South La Salle St., Chicago, $300,000.

★Wis., **Milwaukee**—Wisconsin Motor Mfg. Co., 44th Ave. and Burnham St., let contract addition to Fuldner Constr. Co., Majestic Bldg., $60,000. Noted Apr. 5.

★Neb., **Omaha**—M. F. Shafer & Co. let contract 5-story printing plant to Olson & Johnson Co., 638 1st Natl. Bank Bldg. About $125,000. Noted Apr. 5.

★Cal., **Emeryville**—Parafine Paint Co. let contract 4 factory buildings to Clinton Constr. Co., 140 Townsend St., San Francisco, $84,000.

★Ont., **Toronto**—Canadian Aëroplanes, Ltd., Dufferin St. and Lappin Ave., let contract brick storage building to Dickie Constr. Co., Ryrie Bldg., $50,000.

BUILDINGS

Proposed Work

Me., Gardiner—(Official)—High School—Supt. of Schools will receive bids in about 6 weeks. About $70,000. H. S. Coombs, 11 Lisbon St., Lewiston, archt. Noted Apr. 26.

Mass., Boston—Dormitory—Hebrew Ladies Home for Aged, 21 Queen St., has had plans prepared by M. M. Kalman, archt., 43 Tremont St., 3-story, 30 x 100-ft.

Mass., Boston—Court House—Pub. Bldg. Dept., 802 City Hall, having plans prepared by T. G. O'Connell, archt., 18 Boylston St., 2-story, 100 x 100 ft.

Mass., Melford—High School—Bd. Educ. having plans prepared by M. A. Dyer, archt., 7 Water St., Boston, 2-story, 160 x 160-ft. About $200,000.

Mass., Worcester—Hospital—Memorial Hospital, c/o Fuller & Delano Co., archts., 44 Front St., has had plans prepared, 2-story.

Mass., Worthington—Hotel—Worthington Inn has had plans prepared by Putnam & Taylor, archts., 78 Main St., Northampton, 4-story addition. About $75,000.

Conn., Bridgeport—Home—Bridgeport Christian Union Bldg., Co. having plans prepared by E. B. Caldwell, Jr., archt., 509 First Bridgeport Natl. Bank Bldg., 4-story, 87 x 100-ft. About $60,000.

N. Y., Brooklyn—Brooklyn Training School for Girls, 1483 Pacific St., plans home consisting of main building, administration building and school, 2- and 3-story, brick and rein.-con. About $100,000. Ludlow & Peabody, archts., 101 Park Ave., New York City, completing plans.

N. Y., Castleton—High School—Bd. Educ. has had plans prepared by Loth & White, archts., 130 State St., Albany, 3-story, 42 x 100-ft. About $50,000. H. Folmsbee, pres. Noted Apr. 12.

N. Y., Lackawanna—Y. M. C. A. plans brick building. About $75,000. A. H. Whitford, Ellicott Sq., Buffalo, chn. bldg com.

N. Y., New York—East Side Branch Y. M. C. A., 152-162 East 87th St. and 153-155 East 86th St., plans building. About $400,000. Trowbridge & Ackerman, 62 West 45th St., archts.

N. Y., New York—Theater—188th St. and Washington Ave. Co., Inc., has had plans prepared by E. L. Larkin, archt., 259 West 34th St., 1-story. About $80,000. E. J. Doling, 80 Maiden Lane, pres.

N. Y., Niagara Falls—Police Station—Bd. Pub. Wks., c/o G. Whitehead, has had plans prepared by Wright & Kremers, archts., 406-8 Gluck Bldg., 3-story, 60 x 66-ft. About $60,000.

N. Y., Olean—Armory—State Armory Comn. receiving bids about June 1. Cost, $300,000. F. W. Ward, 158 State St., Albany, secy. L. F. Pilcher, Capitol, Albany, archt.

N. Y., Troy—Armory—State Armory Comn. receiving bids about June 1. About $100,000. F. W. Ward, 158 State St., Albany, secy. L. F. Pilcher, Capitol, Albany, archt.

N. Y., Wynantskill—Sanitarium—County having plan prepared by Pember & Campaigne, archts., Illium Bldg., Troy. About $109,000. T. H. Curry, Ford and Fonda Ave., Troy, chn. bd. supervs.

N. J., Atlantic City—Hotel—Royal Place Hotel, c/o S. Hanstein, Pacific Ave. and Beach, has had plans prepared by H. A. Jacobs, archt., 320 5th Ave., New York, 8-story addition.

N. J., Morristown—Hospital—Morristown Memorial Hospital, Morris St., retained Palmer & Hornbostle, archts., 63 William St., New York City to prepare plans. About $60,000.

N. J., Princeton—Auditorium—Bd. Educ. has had plans prepared by R. A. Schuman, archt., 932 Lambert St., Trenton, 2-story. About $50,000. J. W. Anderson, pres.

N. J., Weehawken—School—West New York Town Council voted $67,000 appropriation for addition to School No. 5.

Pa., Phila.—Church—West Walnut Street Presbyterian Congregation soon lets contract 1-story addition. About $100,000. E. F. Smith, Commonwealth Bldg., chn. bldg com. Watson & Huckel, 1211 Walnut St., archts.

Pa., Phila.—Hospital—Mt. Sina Hospital, c/o J. Geffin, 9th and Chestnut St., soon lets contract, 3-story, 63 x 82-ft. Porter & Magaziner, 603 Walnut St., archts.

Pa., Phila.—Sanitarium—Bella Vista Sanitarium, c/o H. L. Randall, has had plans prepared by H. L. Reinhold, archt., 1309 Walnut St., 2 story.

Pa., Sharon—(Official)—Church—1st Presbyterian Congregation will receive bids in fall. About $100,000. C. E. Owsley, Mahoning Bank Bldg., Youngstown, archt. Noted Apr. 26.

Pa., Uniontown—Y. M. C. A. having plans prepared by H. W. Altman, archt., 1st Natl. Bank Bldg., 4-story, 76 x 90-ft. About $150,000. D. M. Hertzog, pres.

Pa., Yeadon—School—Bd. Educ. having plans prepared by P. A. Davis, archt., 1715 Sansom St., Phila., 2-story, 60 x 120-ft. About $65,000. T. H. Dann, pres.

Md., Hagerstown—Y. M. C. A. plans new building. About $150,000.

Wash., D. C.—Church—St. Paul's Congregation having plan prepared by Murphy & Olmstead, archts., 1413 H St., N. W., 1-story. About $50,000. J. F. Machlin, 1425 V St., N. W., pastor.

Va., Suffolk—(Official) — Hotel — Nansemond Hotel is having plans prepared by R. E. Mitchell, archt., Norfolk, for 4-story hotel in Suffolk, not Norfolk, Va., as stated in our issue of Apr. 26. About $150,000.

W. Va., Moundsville—Schools—Bd. Educ. election May 15 to vote on $165,000 bonds to build 4 schools. E. B. Franzheim, Schmulbach Bldg., Wheeling, archt. W. W. Garvin, pres. Noted May 3.

W. Va., Wheeling—Home—County lets contract about May 20. Cost, $65,000. E. F. Haller, courthouse, comr. F. F. Faris, Schmulbach Bldg., archt.

W. Va., Winding Gulf—School and Church—Winding Gulf & Colliery Co. soon lets contract, 1-story. About $50,000.

Tenn., Memphis—Hospital—Tri-State Baptist Hospital plans 8-story, 70 x 110-ft. addition. About $75,000. H. J. Harker, archt., Sawyer Bldg., St. Louis, Mo., prepared plans.

O., Cincinnati—Dormitory—University of Cincinnati Alumni Assn., c/o Stegner & Hughes, archts., Commercial Tribune Bldg., plans, 4-story. About $150,000.

O., Cincinnati — Chapel — Christ Episcopal Church plans, 2-story, brick and stone, East 4th St. About $50,000.

O., Cincinnati—Club—Business Men's Club, 9th and Race Sts., is having plans prepared by S. Hannaford & Sons, archts., Hurlbert Blk., 7-story, 90 x 200-ft. About $600,000. F. W. Galbraith, Jr., pres.

O., Cincinnati—Temple and Cathedral—Combined Masonic Lodges having plans prepared by H. Hake and C. Kuck, archts., Telephone Bldg., 3-story, 80 x 400-ft. About $300,000. W. Harte, 2257 Buck St., secy. com.

O., Cleveland—Church—St. Casimir Congregation, Sowinski Ave., soon lets contract, 95 x 120-ft., brick and steel, East 82nd and Pulaski Sts. About $175,000. W. C. Jansen, archt., 403 O'Brien Bldg., prepared plans.

O., Cleveland—School—Bd. Educ., East 6th St. and Rockwell Ave., soon receives bids, 3-story, 75 x 175-ft., Gladstone Ave. About $200,000. W. R. McCormack, archt., East 6th St. and Rockwell Ave., prepared plans.

O., Cleveland—Library—A. D. Hamlin, archt., 105 Morningside Ave., New York, soon receives bids for Cleveland Public Library, Williamson Bldg. About $2,000,000.

O., Cuyahoga—School—Bd. Educ. plans election to vote on $50,000 bonds to build school additions. A. Higgs, 60 East Portage St., pres. Knox & Elliott, Rockefeller Bldg., Cleveland, archts.

O., McCutchenville—High School—Bd. Educ. soon receives bids, 2-story, 100 x 130-ft. About $75,000. Pretzinger & Musselman, 1126 Reibold Bldg., Dayton, archt.

O., Martins Ferry—School—City voted $150,000 bonds to build school. Noted Apr. 26.

O., Mt. Pleasant—School—Bd. Educ. soon lets contract central high and grade school. H. I. McMillan, Emerson, pres. C. W. Bates, Natl. Bank Bldg., Wheeling, W. Va., archt.

O., New Lebanon—School—Bd. Educ. plans election to vote on $50,000 bonds to build school. O. Brumbaugh, secy. F. L. Packard, 1212 Hayden Bldg., archt.

O., St. Paris—Grade and High School—Bd. Educ. soon lets contract, 2-story. About $75,000. C. Sheets, 319 New 1st Natl. Bank Bldg., Columbus, archt.

O., Springfield—Y. M. C. A. plans building. About $250,000. J. L. Dorst, secy.

O., Van Wert—School—Bd. Educ. soon lets contract, 2-story, 100 x 700-ft. About $50,000. Howard & Merriam, 8 East Broad St., Columbus, archts.

Ind., Kokomo—Terminal—Indiana Railways & Light Co., 112-114 East Sycamore St., acquired site at Union and Superior Sts., and plans terminal to be part of improvements now being made at cost of $150,000. T. C. McReynolds, gen. mgr.

Ind., West Lafayette—(Lafayette P. O.)—Armory—Purdue University has had plans prepared by R. F. Daggett, archt., 956 Lemcke Annex, Indianapolis, 2-story, 260 x 360-ft. About $250,000. W. E. Stone, pres.

Mich., Adrian—Auditorium—St. Joseph's Academy plans. About $125,000. M. B. Hayes, c/o American Express Co., dir. P. Diedrich, archt., 502 Chamber of Commerce Bldg., Detroit, soon receives bids.

Mich., Cadillac—School—Henderson Twp. plans consolidated school, 1-story. About $50,000. T. E. White, archt., Capital Natl. Bank, Lansing, prepared plans.

Mich., Grand Rapids—School—Bd. Educ. plans, 3-story, 60 x 100-ft. addition About $50,000. H. H. Turner, archt., 143 North Division St., prepared plans.

Ill., Chicago—Apartment Hotel—T. Swanson, 2423 Fullerton Ave., has had plans prepared, 7-story. About $200,000.

Wis., Eau Claire—Auditorium and Armory—City has had plans prepared by G. W. Awsumb, archt., 189 West Madison St., Chicago, 1- and 3-story, 85 x 150-ft. About $70,000. J. E. Barron, mayor

Wis., Manitowoc—(Official)—School—City defeated $200,000 bonds to build school. Noted Apr. 26.

Ia., Ft. Madison—School—Bd. Educ. has had plans prepared by Owen & Payson, archts., 202 Reliance Bldg., Kansas City, Mo., 2-story, 62 x 90-ft. About $50,000.

Ia., Le Mars—Hospital—Sisters of St. Francis purchased Le Mars Hospital and will rebuild. About $85,000.

Ia., Sioux City—Church—First Baptist Congregation having plans prepared by Beuttler & Arnold, archts., 609-10 Security Bldg., 1 story. About $75,000. E. H. Stevens, 910 Jennings St., pastor.

Ia., West Point—Parochial School—Roman Catholic Church is having plans prepared by J. M. Nactigall, archt., 333 Paxton Bldg., Omaha, for brick and hollow-tile school. About $80,000.

Minn., Mandan—(Official)—School—St. Josephs Congregation rejected bids opened Apr. 14. New bids when conditions are normal. N. Rissler, Mandan, archt. Noted Apr. 5.

Minn., New Ulm—City plans to hold election to vote on $50,000 bonds to build city hall. L. A. Fritsche, mayor.

Minn., Virginia—School—City will vote May 12 on $375,000 bonds to build school. C. R. Nystrom, Alworth Bldg., Duluth, archt.

Kan., Neodesha—High School—Bd. Educ. has had plans prepared by Smith, Lea & Lovitt, archts., 602 Finance Bldg., Kansas City, Mo. About $100,000. A. K. Reppert, secy.

Neb., Lincoln—Science—State University of Nebraska soon receives bids, 3-story, 160 x 220-ft. About $350,000. J. S. Dale, Station "A," secy. bd. regents. Coolidge & Hodgdon, Corn Exchange Bank Bldg., Chicago, archts.

Buildings (Continued)

Bids Desired

N. Y., Brooklyn—Court House—Until May 16 by L. H. Pounds, boro pres., furnishing labor and material required for reconstructing Kings Co. court house, including electric work, plumbing, gas fitting, heating and ventilating work.

Ga., Atlanta—Bank—See "Reinforced Concrete."

Wis., Milwaukee—School—See "Reinforced Concrete."

Kan., Hoxie—Court House—Until May 17 by county, 2-story, 63 x 68-ft. About $60,000. T. W. Williamson & Co., Central National Bank Bldg., Topeka, archts.

S. D., Redfield—(Official)—Until June 2 by Bd Educ., 3-story. About $85,000. W. B. Ittner, 911 Locust St., St. Louis, archt. Noted Apr. 26.

Ont., Trenton—High School—Until May 15 by School Bd for brick high school. About $50,000. S. B. Coon & Son, Ryrie Bldg., Toronto, archts.

Prices and Contracts Awarded

(★Indicates award of contract)

★**N. Y., Massena**—School—Bd. Educ. let contract, brick and steel, on Bridge Ave., to Shamokin Lumber Co., 37 South 5th St., Shamokin, Pa., $125,000.

★**N. Y., Plattsburg**—City Hall—City let contract, brick and stone, River St., to A. E. Stephens Co., 318 Main St., Springfield, Mass., $174,800. Noted May 3.

★**N. Y., Rochester**—School and Church—Lake Ave. Baptist Congregation let contract remodeling, 1- and 2-story, 66 x 62-ft., to A. Friederich & Sons Co., 710 Lake Ave., $130,000.

★**N. Y., Syracuse**—Hospital—Hospital of Good Sheperd let contract, 4-story, 40 x 100-ft. and 5-story, 35 x 70-ft. additions to O'Brien Constr. Co., 1722 Park Ave. Noted May 3.

★**Pa., Lansdowne**—Auditorium—Bd. Educ. let contract, 2-story, to Butz & Clader, Ainey Bldg., Allentown, $135,000.

★**Pa., Phila**—Sunday School—1st Presbyterian Congregation let contract, 3rd St., to F. L. Hoover & Sons, 1023 Cherry St., $70,000.

★**Pa., Sharpsburg**—High School—Bd. Educ. let contract, on East Middle and Main St., to G. M. Hall, 135 7th Ave., Homestead. About $68,390.

★**Md., Havre de Grace**—Hotel—Susquehanna Inc., c/o C. C. Levinees, 210 Maryland Trust Bldg., Baltimore, let contract, 3-story, to A. Stubbs, 547 Equitable Bldg., Baltimore, $100,000.

★**O., Akron**—School—Bd. Educ. let contract, Manchester Rd. and South St., to Drummond-Miller Co., 221 Electric Bldg., Cleveland, $124,996.

★**O., Canton**—Church—Calvery Presbyterian Congregation let contract, 1-story, to C. R. Kumpf, 401 Newton Ave., $50,000.

★**O., Cleveland**—School and Parish House—St. Stanislaus Congregation let contract, East 6th St. near Forman St., to F. Ilocynski, 6508 Sebert St., $59,000.

★**O., Cleveland**—Hotel—Griswold Realty Co. let contract, 3844 Euclid Ave., to W. L. Carey, 1466 West 112th St., $350,000.

★**O., Dayton**—Synagogue—K. K. Beth Abraham Congregation let contract, 2-story, 90 x 100-ft., to F. A. Requarth Co., Sears and Monument Ave., $80,000.

★**O., New Vienna**—School—Bd. Educ. let contract, 2-story, 70 x 137-ft., to Sims & Benzing, Hamilton, $52,300.

Ind., Terre Haute—School—City received low bid from A. W. Stoolman, 1001 South 3rd St., Champaign, Ill., $138,000. Noted Apr. 19.

★**Ill., Chicago**—Hotel—R. W. Matteson, 127 North Dearborn St., let contract, 4-story, to A. Lindstrom, 127 North Dearborn St. About $325,000.

★**Ill., Chicago**—Schools and Hall—Catholic Bishop of Chicago let contract, 1-story school, 7031-39 Monroe St., 2-story school and hall, 7730 Eberhart Ave., to F. Burke, Chicago, $110,000.

★**Wis., Manawa**—High School—Bd. Educ. let contract, 2-story, to W. E. Polley, New London, $50,000.

★**Minn., Chisholm**—School—Bd. Educ. let contract, 2-story, to Madsen Constr. Co., 737 Plymouth Bldg., Minneapolis, $95,000.

★**Neb., Grand Island**—(Official)—Hotel—Bankers Realty Investment Co., Bee Bldg., Omaha, will build, 11-story, 88 x 88-ft., brick and terra cotta, by day labor. About $250,000. Noted Apr. 26.

★**Neb., Kearny**—(Official)—Hotel—Bankers Realty Investment Co., Bee Bldg., Omaha, will build, 6-story, rein.-con., terra cotta, by day labor. About $150,000. Noted Apr. 26.

★**Neb., Plattsmouth**—School—Bd. Educ. let contract, 2-story, to Peters & Parker Constr. Co., Plattsmouth, $65,000.

★**S. D., Mobridge**—Hotel—A. H. Brown Realty Co. will build 3-story hotel to be known as Brown's Palace Hotel, by day labor. About $115,000.

★**Cal., Visalia**—Jail—County let contract to Trewitt & Shields, $50,000.

★**Cal., Visalia**—Lodge—Visalia Elks Lodge let contract, to D. B. Day, Woodlake, $60,000.

FEDERAL GOVERNMENT WORK

Proposed Work

Launchway—R. I., Narragansett Pier—U. S. Coast Guard, Wash., received no bids, May 2, concrete and steel launchway. Noted Apr. 12.

Magazines, Etc.—Wash., D. C.—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., prepared plans magazines, shell houses and storehouse at St. Juliens Creek, Va. About $175,000. Noted Apr. 26.

Bids Desired

Pier—N. H., Portsmouth—Until May 21 by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., timber pier for fitting out slip at Navy Yard. Noted Apr. 19.

Coal Weighers—Mass., Boston—Until May 21 by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., furnishing at central power plant, Navy Yard. Noted May 3.

Reservoir—R. I., Ft. Greble—Until June 2 by Constructing Quartermaster, Ft. Adams, Newport, for 1,000,000-gal. concrete reservoir.

Wharf—Conn., New London—Until May 29 by Navy Dept., U. S. Coast Guard headquarters, Wash., pile and timber wharf at U. S. Coast Guard Academy; advertised in this issue.

Basin and Launchway—N. Y., Charlotte—Until May 29 by Navy Dept., U. S. Coast Guard headquarters, Wash., for constructing at Station No. 233; advertised in this issue.

Storehouse—Pa., Phila.—Until May 21 by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., rein.-con. general storehouse on timber piles at Navy Yard. Noted Apr. 26.

Boathouse—Wash., D. C.—Until May 31 by Navy Dept., U. S. Coast Guard Headquarters, Wash., at Station No. 252, Thunder Bay Island, Mich., advertised in this issue.

Buildings—Wash., D. C.—Until May 14 by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., repairs and improvements to buildings at Naval Hospital.

Platform and Retaining Wall—Wash., D. C.—Until May 17 by Dist. Comrs., Room 509, Dist. Bldg., concrete platform and retaining wall at M St. bridge crossing Rock Creek; advertised in this issue.

Sewers—Wash., D. C.—Until May 14 by O. P. Newman, Dist. Comr., Room 509, Dist. Bldg., about 1450 lin.ft. of 2-ft. 6-in. span masonry sewer.

Foundry Buildings—Va., Norfolk—Until May 21 by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., at Navy Yard. Noted May 3.

Machine Shop—Va., Norfolk—Until May 21 by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., at navy yard. Noted May 3.

Tower—Fla., Pensacola—Until May 21 by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., 200-ft. steel observation tower at Navy Aëronautic Station. Noted Apr. 19.

Post Office—Fla., Sanford—Until June 4 by J. A. Wetmore, superv. archt., Treas. Dept., Wash.

Gravel, Etc.—Ala., Montgomery—Until June 9 by U. S. Engr. Office, Montgomery, furnishing and delivering about 16,000 tons gravel or crushed stone; advertised in this issue.

Excavation—Ind., New Albany—Until June 1 by U. S. Engr. Office, Cincinnati, rock excavation in Ohio River.

Post Office—Ia., Cedar Falls—Until May 17 by J. A. Wetmore, superv. archt., Treas. Dept., Wash.

Prices and Contracts Awarded

(★Indicates award of contract)

Buildings—R. I., Newport—Bureau Yards and Docks, Navy Dept., Wash., received low bids Seaman's Gunners' Quarters, Naval Torpedo Station, from Darling-Slade Constr. Co., Newport, $142,850; M. F. Kelly, Newport, $149,114; Conners Bros. Co., 64 West 88th St., New York City, $144,875. Noted Apr. 5.

★**Crane—Pa., Phila.**—Bureau Yards and Docks, Navy Dept., Wash., let contract electric traveling bridge cranes to Niles-Bement-Pond Co., 111 Bway., New York City, $126,061.

★**Buildings—Md., Indian Head**—Bureau Yards and Docks, Navy Dept., Wash., let contract 3 frame buildings at naval station to J. H. Nolan Constr. Co., Munsey Bldg., Wash., $27,060.

Grading—Wash., D. C.—Dist. Comrs. received bids May 1, (a) Tracy Pl., (b) Thornton St., (c) 14th St., N. W., (d) 8th St., (e) Buchanan St., (f) 48th St., from H. F. Voight Co., 715 14th St., N. W., (a) 52c., (b) 48c., (c) 30c., (d) 29c.; G. Hyman, 2117 E St., N. W., (a) 50c., (b) 50c., (c) 35c., (d) 35c., (e) 60c., (f) 50c. Noted Apr. 26.

★**Sewers—Wash., D. C.**—Dist. Comrs. let contract to W. F. Brenizer Co., Q near 1st St., N. W. Noted Apr. 5.

★**Hydraulic Pumps and Accumulators—Va., Norfolk**—Bureau Yards and Docks, Navy Dept., Wash., let contract furnishing at Norfolk and Phila. Navy Yards to Almirall & Co., Inc., 1 Dominick St., New York, $76,331. Noted May 3.

★**Shipbuilding Crane—S. C., Charleston**—Bureau Yards and Docks, Navy Dept., Wash., let contract to McMyler Interstate Co., Bedford, O., $25,715. Noted Apr. 19.

★**Piers, Etc.—Fla., Pensacola**—Bureau Yards and Docks, Navy Dept., Wash., let contract concrete piers, reconstructing of existing pier, concrete drainage culvert, timber bulkhead, fill and concrete pavement at Navy Aëronautic Station, to Mabry & Owens Co., Tampa, $46,400. Noted May 3.

Post Office—Tenn., Chattanooga—J. A. Wetmore, superv. archt., Treas. Dept., Wash., received only bid from G. Becking, Chattanooga, $101,590. Noted Apr. 5.

Cement—O., Lowell—W. P. Stokey, Major, Corps of Engrs., U. S. A., Dist. Engr. Office, 2nd Dist., Room 415, Custom House, Cincinnati, received low bids furnishing and delivering about 6600 bbl. American portland cement, for use in recapping top of Dam No. 3, Muskingum River, from Universal Portland Cement Co., Frick Bldg., Pittsburgh, $14,536; Louisville Cement Co., Speeds Mill, Louisville, $15,378; Atlas Portland Cement Co., 30 Broad St., New York City, $16,104. Noted Apr. 19.

Post Office—Tex., Commerce—J. A. Wetmore, superv. archt., Treas. Dept., Wash., received only bid, May 1, from A. Blair, Montgomery, Ala., limestone, $45,900.

MISCELLANEOUS

Proposed Work

Tunnels—Conn., Bridgeport—See "Reinforced Concrete."

Flood Protection—N. Y., Corning—(Official)—Bd. Pub. Wks. retained Solomon, Norcross & Keis, engrs., Watervliet, to make surveys and prepare plans for flood-prevention work on Monkey Run Creek, consisting of storm-water conduits and flood-protection appurtenances.

Steam Roller—N. J., New Brunswick—Bd. Freeholders plan to purchase, 12-ton.

Dam—Tenn., Cumberland Springs—See "Reinforced Concrete."

Garbage Plant—O., Bellefontaine—City plans. About $35,000. C. A. Inskeep, city engr.

Parks—Mich., Detroit—City plans to spend $70,000 in laying out 3 parks to be situated at Sandwich St. and Campbell Ave., Church St., and Ottawa St., Giles Blvd. and Marion Ave. R. H. McCormick, city engr.

Garbage Plant, Etc.—Mo., St. Louis—See "Sewers."

Bids Desired

Sheds—N. Y., New York—See "Structural Steel."

Riprap—Pa., Harrisburg—Until May 14 by Park Dept., ripraping river bank slopes from Calder to Maclay St. E. Z. Gross, comr.

Station Platform—Pa., Phila.—See "Structural Steel."

Track Floors, Etc.—Pa., Phila.—See "Reinforced Concrete."

Levee—La., New Orleans—(Official)—Until May 16 by Bd. Levee Comrs., Orleans Levee Dist., Suite 201, New Court Bldg., for constructing, in 3rd Dist., on river front, about 3800 lin.ft. levee, involving 32,000 cu.yd. earthwork and removal and resetting of 3800 lin.ft. revetment from Kentucky to Andry St.; 3500 ft. levee, involving 65,000 cu.yd. earthwork and removal and resetting of 3500 lin.ft. revetment, from Andry St. to Jackson Barracks. W. McL. Fayssoux, pres.

Coal Hoisting and Handling Device—O., Cleveland Heights—(Warrensville P. O.)—(Official)—Until May 17 by Bd. Educ. of Cleveland Heights Village School Dist., c/o Lee Rd. School, Lee Rd., for furnishing and erecting for central heating plant on Lee Rd. School site. J. H. Herron, 2041 East 3rd St., Cleveland, engr.

Pumping Plant—Mo., Louisiana—(Official)—Until May 21 by Bd. Supervs. Riverland Levee Dist. furnishing and erecting oil-driven pumping plant. Jacksonville Engr. Co., Jacksonville, Ill., engr.; advertised in this issue.

Cement Pipe Line—Utah, Midvale—(Official)—Until May 21 by W. S. Burnett, city recdr., about 2 mi. 15-in. pipe line, alternate bids for concrete and double strength vitr. pipe, up Cottonwood Canyon. About $10,000. J. L. Griffith, city engr. Noted Apr. 5.

Subway—Cal., Davis—Until May 28 by State Highway Comn., Forum Bldg., Sacramento, under tracks Southern Pacific Ry.

Prices and Contracts Awarded

(★Indicates award of contract)

★**Coal Pocket, Etc.—N. H., Manchester**—W. E. McElwain Co. let contract coal pocket, drainage and railroad trestle to F. T. Ley & Co., Inc., 495 Main St., Springfield, Mass., $20,300.

Ties and Timber—N. Y., New York—(Official)—Pub. Ser. Comn. for 1st Dist., 120 Broadway, received only bid, May 2, supply of timber for use in construction of rapid-transit railways from J. H. Burton & Co., 45 Bway., $54,913. Noted Apr. 19.

★**Foundations—Pa., Phila.**—(Official)—Dept. City Transit let contract 168 column foundations in Frankford Ave. from Unity St. to Dyre St., Frankford Elevated Ry., to E. H. Vare, Lincoln Bldg., $47,090. Noted Apr. 26.

★**Retaining Wall—Mo., Kansas City**—See "Reinforced Concrete."

★**Ark., Little Rock**—Dikes—County let contract constructing 2 dikes and repairing 5 to J. Trainor, 320 Sherman St., $23,982.

★**Retaining Wall—Okla., Tulsa**—Bd. Educ. let contract, around new high school grounds, to Van-Horn Brickner Co., Tulsa, $13,913.